INDEX.

Page.

Abbott, James Francis, title of paper by 149
Abbott, W. L., East Indian collection of 27
ethnological objects given by 52
insects collected by 70
mammals collected by 75
mollusks sent by 69
natural-history explorations of, continued 67
treasures deposited by 18
zoological specimens contributed by 67
Acary caciraba 199
species of 199
Accessions during year, list of 95
for the past and previous years, statistics of 21
received annually since 1880, table showing 22
by Department of Anthropology 51
to Department of Anthropology 51
Biology 67
Geology 81
Act of Congress, 1846, establishing Smithsonian Institution 3
to encourage the holding of a Pan-American Exposition 229
Adamana, archeological field work at 317
ruin 317
petroglyphs 318
Station 317
Adams, C. B., collecting outfit furnished to 24
Adams, Samuel H., butterflies presented by 70
Adler, Cyrus, assistant curator, Division of Historic Archeology, report by ... 56
bibliography of assyriology begun by 57
custodian of the Division of Religions, report by 56
joint paper by 152
title of joint paper by 149
Administrative staff 94
Æthoprora effulgens 199
Afton, Indian Territory, flint implements and fossil remains from a sulphur spring at, by William H. Holmes 233
geologic formations 238
site of the Afton sulphur springs 238
spring, arrow and spear heads 245
bone and antler implements 246
difficulties met with in making excavations .. 241
discovery of a flint implement in the superficial sands 240
final examinations 240
first clearing out of the 239

	Page.
Afton, Indian Territory, spring, formations	241
fossil remains	242
fragmentary condition of the fossil bones	243
freshly sharpened implements	245
knives	245, 246
mammoth teeth encountered in the gravels	241, 243
mastodon teeth	243
peoples concerned in the deposit	248
section of, and associated geological formations	241
significance of the deposit	247
spearheads	245
stone implements	244
traditions regarding the	239
springs, the	238
village of, description	238
location	238
Agassiz, Alexander, expedition under direction of	51
loan to	88
specimens of rocks sent to	32
Agriculture, Department of, plants transferred by	20
use of Herbarium made by officials of	80
Agulha	199
Alaska moose	190
Alaskan Eskimo, description of figures of group of	203
earth house of the	207
Albatross, collections by	18, 19, 51, 70, 71, 73, 76, 78, 79
Alexander, W. H., reptiles presented by	19, 69
Algué, Father José, corals and sponges received in exchange from	71
Allen, J. A., sheep described by	190
title of paper by	149
Alligator snapper	196
Almiqui	191
Altars obtained by Museum through exchange	54
Amazon River turtle	196
America, distribution of specimens in	137
American arctic and subarctic mammals, series of	191
carnivora, relabeling of the	34
Ethnology, Bureau of, pottery purchased by	303
Institute of Electrical Engineers, specimens of electrical apparatus belonging to	61
lizards	197
Ornithologists' Union, work by committee on nomenclature of the	30, 79
Ancient ruins, preservation of	357
action taken by legislature of Arizona	358
archeological field work in Arizona	357
Arizona Antiquarian Society, endeavors of	358
bill before congress several times	358
New Mexico	358
service of Interior Department	358
André, Ernest, collection received in exchange from	25, 70
Angel fishes	198
Anhinga	194

	Page.
Animals, domestic and food, archeological field work in Arizona	356
Annual Report U. S. National Museum, scope of	11
(1897), Part II, published	147
(1898), published	147
(1899), published	147
Ant-eater	191
Anthropological field, scope of	255
museum, classification and arrangement of the exhibits of	
an, by William Henry Holmes	253
cultural division	256
classification of culture materials	257
culture—history arrangement	264
history exhibit, example of	274
geo-ethnic arrangement	258
exhibit, example of	268
labels	272, 273, 274, 276, 277
limitations of culture materials	256
special culture series	267
scope of the anthropological field	255
somatological division	255
Anthropology, Department of, accessions to	51
through collections	51
exchange	54
gifts	52
purchase	53
aid given by	61
cataloguing and care of specimens received by	55
concerning completeness of exhibits of, at Pan-American Exposition	217
details with regard to progress made in preserving and installing collections of	55
exhibit shown through agency of	183
exhibition halls of, overcrowded	32
exhibits prepared by, for other departments of exposition and lent to them during continuance of fair	217
exhibits prepared by, for Pan-American Exposition	33, 51
head curator	93
labeling done by	55
objects lent by, to expositions	61
report of head curator on	51
report on exhibit of, at Pan-American Exposition, by William H. Holmes	200
report on exhibit of, at Pan-American Exposition—description of the groups	202
report on exhibit of, at Pan-American Exposition—dwelling group models	207
report on exhibit of, at Pan-American Exposition—exhibits illustrating leading arts and industries of the native Americans	211

	Page.
Anthropology, Department of, report on exhibit of, at Pan-American Exposition—exhibits representing the art collections	216
report on exhibit of, at Pan-American Exposition—groups of lay figures	200
research work in	26
space needed by	55
special investigations conducted by members of staff of	57
total number of specimens received in	17
work of	51
in connection with Pan-American Exposition	58
the year upon exhibition series of	32
Apache wickiups	291
Appendix I	93
II	95
III	137
IV	147
Appropriations for fiscal year ending June 30, 1901	13, 14
year ending June 30, 1902	15
Arachnida, removal of	74
Archeological field work in northeastern Arizona. The Museum-Gates expedition of 1901, by Walter Hough	279
Hopi buttes and mesas	326
age of Jettyto Valley ruins	359
Biddahoochee	326
Chakpahu	336
Kawaiokuh	339
Kokopnyama	337
periods of Tusayan ware	346
introduction	287
list of illustrations	283
Little Colorado Valley	302
Adamana	317
Canyon Butte	309
McDonalds Canyon	302
Metate	318
Milky Hollow	319
Scorse Ranch	306
Stone Axe	320
small sites near	325
Woodruff	318
remarks	352
distribution of Pueblo culture	352
domestic and food animals	356
preservation of ancient ruins	357
range of dual design on pottery	354
summary of work	358
symbolism	355
table of contents	281
types of buildings	352

Page.
Archeological field work in northeastern Arizona—Continued.
White Mountain region 289
Forestdale 289
Interior sawmill 297
Linden 297
Showlow 301
Shumway 302
Arctic birds, exhibit of 194
ducks 193
Arizona, cliff dwellings (ruins) 207
legislature of, action taken by, to preserve ruins 358
Army and Navy, important contributions made by officers of 39
Arrangement and classification of the exhibits of an anthropological museum, by William Henry Holmes 253
Arraya 198
Arts, transfer of 324, 353
Asa clan, migrations 324
pottery 324
Ashmead, W. H., detail of, to accompany expedition to Hawaiian Islands 23
entomological collections made by 66, 70
hymenoptera of Harriman expedition worked up by 28
much progress made on catalogue of hymenoptera by 29, 77
report by, upon hymenoptera as a whole 76
upon hymenoptera from Galapagos Islands made by 28, 77
the hymenoptera parasitica of Hawaiian Islands completed by 28, 77
researches upon exotic material from Africa, Siam, Japan, Australia, and New Zealand, continued by 28, 77
studies upon the ichneumonoidea and bombidæ conducted by 28, 77
titles of papers by 150
work of, in division of insects 74
Asia, distribution of specimens in 144
Assistance to individuals and institutions through Department of Geology 88
Assistant Secretary of Smithsonian Institution placed in immediate charge of Museum 41
Atlanta Exposition, donations and purchases from 8
Australian Museum, collection of Australian shells sent by 25, 69
Austria, distribution of specimens in 144
Authors of papers in bibliography, list of 173
Avian fauna of Central America 195
Awatobi excavated 333
fine springs of 333
pipe specimen found at 317
Azara's dog 191
Baird, George W., bronze bust presented by 53
Baker, C. F., collection of fleas lent to 31, 78
Balch, F. N., Arctic shells compared by 30, 80
Bald eagle 192
fruit crow 195
Baldwin-Zeigler Polar expedition, collecting outfit furnished to 24
Ball, C. R., plants presented by 71
Ball, E. D., insects lent to 31, 78

	Page.
Bandelier, A. F., attention called to rugose ware with white decoration by	300
ruin at Showlow examined by	301
brought to notice by	289
Bangs, Outram, birds brought from Panama by	30
compared by	79
title of joint paper by	152
titles of papers by	151
Banks, Nathan, arachnida and neuroptera of Harriman expedition worked up by	28, 77
report by on arachnida collected at Galapagos Islands	28, 77
titles of papers by	151
work of, in Division of Insects	74
Barn owl	193
Barnes, William, moths presented by	70
Barracuda	198
Barrott, A. F., collection of stone implements given by	52
Barrows, W. E., geological gift through	81
Bartsch, Paul, papers by, published in the Osprey	76
studies on the Pacific pyramidellidæ continued by	28, 76
titles of papers by	152
Basketry	339
exhibit illustrating	214
Batrachians and reptiles, Pan-American Exposition	196
cases arranged for exhibit of	33
method of representing unsatisfactory	33
Bean, Barton A., detail of, to Key West, Florida	185, 186
fishes collected by, at Key West	23, 67
preparation of labels for Pan-American Exposition by	189
Beckwith, Paul, labors of, in Section of American History	57
Beehler, C. W., explorations by	237
Belgium, distribution of specimens in	144
Bell bird	195
Bell, James M., ethnological objects given by	52
Bendire, Charles, reference to death of	42
work on the Life Histories of North American Birds begun by the late	38
Bendire's Life Histories of North American Birds, work of completing taken up	27, 38, 75
Benedict, J. E., description of four new species of symmetrical pagurid crustaceans prepared by	28, 76
explorations of	23, 67
paper on hermit crab and its allies published by	28, 76
report of, on anomouran crustaceans	28, 76
studies of, on crustacean family galatheidæ	28, 76
title of paper by	152
Benguiat collection of objects of Jewish ceremonial, work on, published	57
Benson, H. C., nest, egg, and bird collection presented by	68
Berliner, Emil, gift by	53
Berwerth, F., meteorite fragment from	26
Bibliography of National Museum	147
list of authors of papers in	173
Biddahoochee ruin, archeological field work at	326
cemeteries	327

	Page.
Biddahoochee ruin, Cottonwood Wash ruins	327
examination of, attended with hardships	333
gray ware	330
limestone axe from	322
potshards	327
pottery investigations	327
seep spring	327
white ware	329
shrine discovered at	316
Biological Survey, Department of Agriculture, accessions derived from	17
collections transmitted by	40
egg collections received from	19, 69
mammal collections of, transferred	72
use of collections in Museum made by staff of	79
Biology, Department of, accessions of insects	69
mollusks	69
to	67
bird specimens purchased by	68
condition of exhibition series in	33
distribution of duplicates	79
exhibition collections	63
explorations	66
field parties sent out by, to gather material for Pan-American Exposition	186
fish specimens added to	69
head curator	93
improvements in southeast range	64
labels prepared by	64, 66
laboratory use of collections by investigators	79
loan of specimens	77
number of specimens added to	18
of plants lent by, during year	79
personnel	80
report of head curator on	63
report on exhibit of, at Pan-American Exposition—birds	192
report on exhibit of, at Pan-American Exposition, by Frederick W. True	185
report on exhibit of, at Pan-American Exposition—cases and installation	188
report on exhibit of, at Pan-American Exposition—fishes	197
report on exhibit of, at Pan-American Exposition—mammals	190
report on exhibit of, at Pan-American Exposition—reptiles and batrachians	196
report on exhibit of, at Pan-American Exhibition—taxidermy	187
reptiles received by	69
research work in	27
scientific researches and publications	75

	Page.
Biology, Department of, specimens of exposition labels used in	189
work of, during year	63
in Children's Room	63
on the study collections	72
Bird, Henry, hydroecia presented by	70
Bird specimens purchased by Department of Biology	68
Birds, Division of, accessions to	18, 19
work done in	72
Birds' eggs, accessions of	19, 67
Birds, Pan-American Exposition	192
Birtwell, Francis J., bird skins lent to	31, 78
papers published by	78
title of paper by	152
type of mountain chickadee presented by	68
Bishop, H. R., paper on jade prepared at request of	59
Bishop, Louis B., title of paper by	152
Bison	191
Black Knoll	320
Blatchley, W. S., orthoptera presented by	70
salamanders lent to	32
Blue-and-yellow macaw	193
Bluefish	197
Boa constrictor of South America	196
Boardman, George A., reference to death of	46
sketch of	46
Boas	196
Boas, Franz, articles bearing upon Asiatic contact with west coast of America supplied to	31, 60
Boatbill	194
Botanic Gardens, Sydney, New South Wales, plants from	25
Botanical collections, use made of	30
Botany, Division of, accessions to	20
collections transmitted by	40
Bows and arrows, exhibit illustrating	212
Box tortoise	196
Branch, C. W., antiquities purchased from	54
Branch, Selwyn, collecting outfit furnished to	24
Branner-Agassiz expedition to Brazil, crustaceans collected during	76
Branner, J. C., mollusk collection received from	69
Brazier of pottery	337
Brazil, distribution of specimens in	144
Brewster, William, title of joint paper by	152
Britton, N. L., investigations of at the Herbarium	30, 80
Brögger, W. C., eruptive rocks sent to	88
minerals from	26
Brown, Stewardson, investigations of, at the Herbarium	30, 80
Buffalo fish	199
Buildings of Museum	15
alterations and repairs to	15
types of, archæological field work in Arizona	352
Bulletins U. S. National Museum, number issued	11
scope of	11

Page.
Bunnell & Co., J. H., gift by 53
Bureau of American Ethnology, accessions derived from 16
archeological specimens acquired by 328
collections purchased by 307
transmitted by 40
examination of important flint quarries made under auspices of 22
explorations of 8
no separate exhibit made by, at Pan-American Exposition 183
pottery purchased by 303
Burgess, E. S., botanical collections used by 31, 80
Burgi, F., relief map of Palestine sent to 31
Busck, August, titles of papers by 152
California vulture 192
Callistes 195
Canada, distribution of specimens in 137
Canutáma 365
Canyon Butte ruins 309
archeological field work at 309
cemeteries 310
clay and stone abundant 310
climate 310
description 309
environment 310
firewood 309, 310
food animals, scarcity of 310
location 309
pipes 316
plan of 310
plants, scarcity of 310
ruin No. 1 310
interments 311
No. 2 312
cemetery 312
fire box 312
graves 312
ware 312
No. 3 312
cannibalism 313
cemetery 312
skeleton of priest unearthed 313
No. 4 313
artifacts 313
cemetery 313
decorated ware 314
gray ware 315
plain ware 314
pottery 313
shrine 316
skeletons 316
water, lack of 309, 310

	Page.
Canyon Butte Wash ruins face the east	310
Capuchin monkey	191
Carabus mülleri, specimens of	26
Caribbean seal	191
Carolina paroquet	192
Carter, Gilbert, investigations conducted by, in Division of Insects	30, 80
Carter, Paul B., ethnological material purchased from	54
Casa Grande, preservation of	358
Casanowicz, I. M., title of joint paper by	149
paper by	152
Cases and installation—Pan-American Exposition	188
Catfish, large	199
Catfishes	199
Caudell, Andrew N., material in the group orthoptera identified by	29, 77
report by, upon orthoptera	76
synopsis of sinea published by	29, 77
titles of papers by	152
work of, in Division of Insects	74
Centennial Exhibition at Philadelphia, donations and purchases from	8
Government collections at	5
Central American mammals	191
Petrified Forest	320
Chakpahu ruin	336
archeological field work at	336
cemeteries	337
defensive wall	337
fragments of napiform vases	337
great court or plaza	337
location	336
potshards	337
surveyed	337
walls	337
ware	337
Chamberlain, Ralph V., vials containing types of lithobiidæ, presented by	70
Chapman, Frank M., Peruvian birds brought by	30
specimens of Hutia rats lent to	31, 77
title of paper by	153
Characins	199
Charleston Exposition, exhibit on view in	218
Chestnut-headed sloth	191
Children's room, description of	34, 63
installation of collections in, by Department of Biology	63, 64
Chilean guemal	191
Chilkat Indians, Alaska, description of group of	203
Chinchilla	191
Chittenden, Frank H., titles of papers by	153
Cincinnati Exposition, donations and purchases from	8
Circular No. 50, distribution of	38
City school, Monroe, Louisiana, gift to	89
Clark, A. H., custodian of the Section of American History, report by	57
Clark, Hubert Lyman, work by, on the holothurians	29
Clarke, J. M., fossils lent to	32, 88

Page.

Classification and arrangement of the exhibits of an anthropological museum, by William Henry Holmes 253
cultural division 256
classification of culture materials 257
culture-history arrangement 264
exhibit, example of 274
geo-ethnic arrangement 258
exhibit, example of 268
labels 272, 273, 274, 276, 277
limitations of culture material 256
special culture series 267
scope of the anthropological field 255
somatological division 255
Cliff dwellings (ruins), Arizona, description of model of 210
Clifton, C. E., leaf-shaped implements purchased from 4
Coati 191
Coatimondi 191
Cochrane, A. V. S., gift to 89
Cock of the rock 195
Cockerell, T. D. A., insects presented by 70
types of cambarus gallinus presented by 71
Cocopa Indians, Sonora, Mexico, description of group of 205
Coe, Wesley R., specimens of nemerteans lent to 31, 78
Coin collection of Museum 33
Coleman, J. W., employment of 90
stony meteorite obtained for Museum mainly through efforts of 83, 84
Coleoptera, rearrangement of 73, 74
Collections, exhibition, of Department of Biology 63
of Department of Geology, present state of 86
U. S. National Museum, additions to 16
principal sources of 7
received annually by Museum, increase in number of 12
Collins, G. N., dragon flies presented by 70
Columbia deer 191
Comabella, I., specimens from 26
Common, or white grunt 198
Comparative Anatomy, Division of, work in 75
Condor 190, 192
Conzatti, C., plants from 26
Cook, Orator F., report by, upon myriapoda 28, 77
titles of papers by 153
work of, in Division of Insects 74
Cook, William A., collecting trip made by 23
ethnological material received from 18, 51, 60
Coolidge, Dane, mammal collection of 18, 23, 66, 68
Cooperation of the Executive Departments of the Government 39
Cope, E. D., paper by, on Crocodilians, Lizards, and Snakes of North America. 37
title of paper by 153
Cope, Mrs. E. D., specimen of Philip Island parrot purchased from 68
Copperhead snake 196
Coquillett, D. W., diptera of Harriman expedition worked up by 28, 76

	Page.
Coquillett, D. W., report by, on diptera collected at Galapagos Islands	28, 77
titles of papers by	153
work of, in monographing certain families of diptera	77
works of, in Division of Insects	74
Correspondence of Museum	37
Cotheal, Mrs. E. H., gift by	52
Cotingas	195
Cotton mouth snake	196
seeds of	341, 345
Cottonwood Wash, group of ruins on, carefully platted and plan of site made	288
Coubeaux, Eugene, birds' skins from	26
Cougar	191
Coulter, J. M., monograph of North American umbelliferæ, published jointly by	29, 77
title of joint paper by	167
Coutière, H., title of paper by	154
Coville, F. V., honorary curator, Division of Plants, report by	74
papers published by, during year	29, 77
titles of papers by	154
Cox, W. V., designated chief special agent Smithsonian Institution and National Museum for Pan-American Exposition	184
duties of, at Pan-American Exposition	40
elected secretary of Government Board	184
Coypu	191
Craver, S. P., collecting outfit furnished to	24
Crawford, Joseph, investigations of, at the Herbarium	30, 80
Croaker	197
Crosby, F. W., geological specimens collected by	81
Crowned tyrant	193
Cruikshank, C. N., employment of	90
Cuba, expedition to, for Pan-American Exposition	23
Cuban boa	196
chameleon	197
hutia rat	191
iguana	197
lizards	197
toad	197
tree frog	197
trogon	195
Culin, Stewart, material relating to primitive games sent to	31, 60
Cultural division	256
Culture anthropology	255
pueblo, distribution of	352
Currie, R. P., odonata of Harriman expedition worked up by	28, 77
report by, on odonata collected at Galapagos Islands	28, 77
synonymical card catalogue of the North American neuropteroid insects being prepared by	28, 77
titles of papers by	154
work of, in Division of Insects	74
upon myrmeleonidæ continued by	28, 77
Cushing, F. H., ceremonial use of springs reported by	249
information from, regarding domestication of animals	356
traditions	355
Cuvier's toucan	192

	Page.
Dakotas, belief of, regarding buffalo	248
Dall, William H., bear described by	191
eleven papers on mollusks published by	27
fifth part of a treatise on the tertiary mollusks of Florida by, published	76
honorary curator, Division of Mollusks	69
macrura collected by	76
publications by	76
report of, regarding important accessions of mollusks	69
on mollusks collected in Porto Rico prepared jointly by	27, 76
synopses of the molluscan families tellinidæ, cardiidæ, and lucinacea, published by	27, 76
titles of papers by	154
Dall's sheep	190
Davenport, George E., plants lent to	32
Dawson, Dr., privilege of making excavations obtained from	240
De Weese, Dall, specimen of Alaska moose obtained by	190
Dall's sheep obtained by	190
Decoration of pottery, pigments used in	348
resources in	348
Denmark, distribution of specimens in	144
Department of Agriculture, accessions derived from	8, 17
Biological Survey, use of collections in Museum made by staff of	79
collections transferred by, to the custody of National Museum	9
Division of Soils, gift to	89
explorations of	8
plants received through	71
use of Herbarium made by officials of	80
Department of Anthropology, accessions to	51
aid given by	61
concerning completeness of exhibits of, at Pan-American Exposition	217
exhibit shown through agency of	183
exhibition halls of, overcrowded	32
exhibits prepared by, for Pan-American Exposition	33
exhibits prepared for other departments of exposition and lent to them during continuance of fair	217
head curator	93
investigations carried on in	31
objects lent by, to expositions	61
report of head curator on	51
report on exhibit of, at Pan-American Exposition, by William H. Holmes	200
report on exhibit of, at Pan-American Exposition—description of the groups	202
report on exhibit of, at Pan-American Exposition—dwelling group models	207

Page.

Department of Anthropology, report on exhibit of, at Pan-American Exposition—exhibits illustrating leading arts and industries of the native Americans 211
report on exhibit of, at Pan-American Exposition—exhibits representing the art collections 216
report on exhibit of, at Pan-American Exposition—groups of lay figures 200
research work in 26
total number of specimens received in 17
work of the year upon exhibition series of 32
Department of Biology, accessions to 67
bird specimens purchased by 68
condition of exhibition series in 33
distribution of duplicates 79
exhibition collections 63
explorations 66
field parties sent out by, to gather material for Pan-American Exposition 186
fish specimens added to 69
head curator 93
improvements in southeast range 64
labels prepared by 64, 66
laboratory use of collections by investigators 79
loan of specimens 77
number of specimens added to 18
of plants lent by, during year 79
personnel 80
report of head curator on 63
report on exhibit of, at Pan-American Exposition—birds 192
report on exhibit of, at Pan-American Exposition, by Frederick W. True 185
report on exhibit of, at Pan-American Exposition—cases and installation 188
report on exhibit of, at Pan-American Exposition—fishes 197
report on exhibit of, at Pan-American Exposition—mammals 190
report on exhibit of, at Pan-American Exposition—reptiles and batrachians 196
report on exhibit of, at Pan-American Exposition—taxidermy 187
reptiles received by 69
research work in 27
scientific researches and publications 75
specimens of exposition labels used in 189
work of, during year 63
in children's room 63
on the study collections 72
Department of Geology, accessions to 20, 81
assistance to individuals and institutions 88
concluding remarks 90
exhibition collections of 35

	Page.
Department of Geology, head curator	94
investigations in	29
labeling	85
Pan-American Exposition	86
personnel	90
plans for the future	89
present state of the collections	86
report of head curator on	81
report on exhibit of, at Pan-American Exposition, by George P. Merrill	218
report on exhibit of, at Pan-American Exposition—Division of Geology	219
report on exhibit of, at Pan-American Exposition—Division of Mineralogy	220
report on exhibit of, at Pan-American Exposition—Division of Stratigraphic Paleontology	222
report on exhibit of, at Pan-American Exposition—Section of Invertebrate Fossils	222
report on exhibit of, at Pan-American Exposition—Section of Vertebrate Fossils	228
research and publication	87
routine	84
sendings from	32
sources of new material	83
time given by, to exposition work	90, 91
work of, for Pan-American Exposition	85, 218
Department of mines and agriculture, Sydney, parasitic hymenoptera presented by	70
State, materials secured through representatives of	40
Derby, Orville A., ethnological material received through courtesy of	18, 51
Diamond rattlesnake	196
Diptera, work done on	74
Disbursements during 1901 from the unexpended balances of appropriations for the fiscal year ending June 30, 1900	14
from appropriations for year ending June 30, 1899	14
Distribution of Pueblo culture	352
specimens, statement of	137
Division of Birds, facilities afforded by, in determining status of birds	30
work done in	72
Botany, collections transmitted by	40
Comparative Anatomy, work in	75
Entomology, collections transmitted by	40
Ethnology and Archeology of Pan-American Exposition, plaster busts lent to	217
Ethnology and Archeology of Pan-American Exposition, series of casts of type forms of Indian stone implements lent to	217
Ethnology and Archeology of Pan-American Exposition, series of skulls lent to	217
Fishes, exhibition collections of	33
Geology, exhibit for, at Pan-American Exposition	219
specimens of exposition labels used in	219
Insects, exhibition of specimens of	34
investigations conducted in	30

	Page.
Division of Insects, papers published by members of staff during year	77
research work by members of	28, 76
total number of papers by members of staff of, issued during year	29
work done in, report on	73
Mammals, condition of collections	72
work in	72
Marine Invertebrates, accessions to	67
scientific researches and publications in	76
Mineralogy, exhibit of, at Pan-American Exposition	220
specimens of exposition labels used in	220
Mollusks, collections of, consulted	30
work in	73
Plants, publications from	29, 77
specimens lent by	32
work done in	74
Reptiles, exhibition collections of	33
work done in	73
Soils, Department of Agriculture, gift of minerals to	89
specimens of rocks sent to	32
Stratigraphic Paleontology, exhibit of, at Pan-American Exposition	222
specimens of exposition labels used in	222
Dixon, Dr., spindle whorls lent at request of	61
Doane, R. W., title of paper by	157
Dodge, William C., collection purchased from	53
Dog snapper	198
Domestic and food animals—archeological field work in Arizona	356
Dorsey, George A., excavation by, on site of Old Walpi	347
Dorsey, J. Owen, information from, regarding Dakotas	248
Drake, Francis E., specimens of electrical apparatus forwarded to	61
Druery, C. T., fern fronds from	25
Dunbar, U. S. J., sculptor, skilful work of, in modeling life-size figures	217
Dusky shark	197
Dwelling group models used at Pan-American Exposition	207
Dwellings of the Sierra (Digger) Indians, California, description of model of	209
Dwight, Jonathan, jr., skins sent to	31, 78
titles of papers by	157
Dyar, Harrison G., lepidoptera of Harriman expedition worked up by	28, 76
much progress made on catalogue of lepidoptera by	29, 77
report by, on lepidoptera collected at Galapagos Islands	28, 77
titles of papers by	157
work of, in Division of Insects	74
Earth house of the Alaskan Eskimo, description of model of	208
lodges of the Pawnee Indians, Dakota, description of model of	209
Eastern Eskimo, description of figures of group of	202
Eastlake, W., oriental shells received from	19, 69
Eaton, A. A., plants lent to	32
Educational side of Museum	10
Edwards, Charles L., specimens sent to	78
work by, on the holothurians	29
Eigenmann, C. H., leptocephalus forms of fishes and other material lent to	32
Eldridge, George H., geological specimens collected by	81
Electric eel	199

	Page.
Ellicott, H. J., sculptor, skilful work of, in modeling life-size figures	217
Emeus crassus, skeleton of	20
Emmons, George T., bear named in honor of	191
collecting trip made by	23
collection purchased from	54
ethnological specimens collected by	52, 60
Engineer Corps of the United States Army, surveys carried on by	8
England, distribution of specimens in	144
Enteman, Miss M. M., specimens of hymenoptera sent to	31, 79
wasps investigated by	30, 80
Entomology, Division of, accessions derived from	17
collections transmitted by	40
Eskimo family of Smith Sound, description of group of	202
groups	202
Ethnological material collected for the Museum	51
Ethnology, Division of, specimens added to	17
Europe, distribution of specimens in	144
European lepidoptera, collection of	19
Evermann, Barton W., joint paper by	163
title of joint paper by	159
Ewbank, Thomas, sacred spring near Zuni spoken of by	249
Exhibit of Department of Anthropology at Pan-American Exposition—description of the groups	202
at Pan-American Exposition—dwelling group models	207
at Pan-American Exposition—exhibits illustrating leading arts and industries of the native Americans	211
at Pan-American Exposition—exhibits representing the art collections	216
at Pan-American Exposition—groups of lay figures	200
at Pan-American Exposition, report on, by William H. Holmes	200
Biology at Pan-American Exposition—birds	192
at Pan-American Exposition—cases and installation	188
at Pan-American Exposition—fishes	197
at Pan-American Exposition—mammals	190
at Pan-American Exposition—report on, by Frederick W. True	185
at Pan-American Exposition—reptiles and batrachians	196
at Pan-American Exposition—taxidermy	187
Geology at Pan-American Exposition—Division of Geology	219
at Pan-American Exposition—Division of Mineralogy	220
at Pan-American Exposition—Division of Stratigraphic Paleontology	222
at Pan-American Exposition—report on, by George P. Merrill	218

	Page.
Exhibit of Department of Geology, at Pan-American Exposition—Section of Invertebrate Fossils	222
at Pan-American Exposition—Section of Vertebrate Fossils	228
Division of Geology at Pan-American Exposition	219
Mineralogy at Pan-American Exposition	220
Stratigraphic Paleontology at Pan-American Exposition.	222
Section of Invertebrate Fossils at Pan-American Exposition	222
Vertebrate Fossils at Pan-American Exposition	228
Exhibition collections of Department of Biology	63
Museum, progress in the installation of the	32
halls of Museum overcrowded	12
Exhibits illustrating leading arts and industries of the native Americans, used at Pan-American Exposition	211
of an anthropological museum, classification and arrangement of the, by William Henry Holmes	253
of Department of Anthropology at Pan-American Exposition, concerning completeness of	217
representing the art collections at Pan-American Exposition	216
Expedition, the Museum-Gates of 1901. Archeological field work in northeastern Arizona, by Walter Hough	279
Expenditures for the fiscal year ending June 30, 1901	14
Explorations by Department of Biology	66
of members of Museum staff	22
Exposition, Louisiana Purchase, St. Louis	41
appropriation made for erection of Government building at	41
Pan-American, amounts appropriated for Government exhibit and building	181
an act to encourage the holding of a	229
Buffalo, N. Y	40
exhibit from National Museum provided for	181
Smithsonian Institution provided for	181
exhibition cases	183
Government building, description	181
report on exhibit of Department of Anthropology.	200
Biology	185
Geology	218
U. S. National Museum at	181
summary	181
when held	181
where held	181
work of preparing exhibits for, begun	184
Expositions	40
work necessary in preparing for	40
Family groups exhibited by Department of Anthropology at Pan-American Exposition	202
Farmer, Miss Sarah J., specimens of electrical apparatus belonging to	61
Fenyes, A., coleoptera investigated by	30, 80
Fernald, C. H., title of paper by	159
Fernald, M. N., plants lent to	32
Fewkes, J. Walter, archeological material collected by, in 1896 and 1897	326
cups found by, at Homolobi	331

	Page.
Fewkes, J. Walter, double-bitted axe found by	331
example of ware of Navaho Springs region collected by	315
explorations of, in 1896 and 1897	331
group of Hopi ruins explored by	322
ruins explored by, at Homolobi	346
incrusted shell frog figured by	305
information by, regarding clans	352
mortuary masks mentioned by	339
paper by, on a new clew to the migrations of the Hopi clans	332
plain carving from Chevlon figured by	305
pottery bells described by	342
researches of	332
ruin excavated by	333
small birds carved from steatite figured by	319
suggestion by, regarding migration	350
traditional Hopi ruins discovered by	346
material relating to settlements collected by	349
vases figured in monograph by	350
ware collected by	328
figured by	301
procured by, at Sikyatki and Awatobi	347
Fewkes party, series of objects taken from a grave by the	293
Field Columbian Museum, collection purchased by	307
ethnological collection received by exchange with	18, 54
Field work in northeastern Arizona, archeological. The Museum-Gates expedition of 1901, by Walter Hough	279
Fire-making apparatus, exhibit illustrating	212
Fireman, Peter, temporary appointment of, as chemical geologist	42, 90
work of	87
Fish Commission, accessions derived from	16, 19
collections transferred by, to the custody of National Museum	9
transmitted by	40
explorations of	8
Commissioner, courtesy of	23
specimens added to Department of Biology	69
Fishes, cases arranged for exhibit of	33
Division of, accessions to	19
exhibition collections of	33
method of representing, unsatisfactory	33
Pan-American Exposition	197
Fletcher, James, moths presented by	70
Flett, Mrs. J. B., plants presented by	71
Flint implements and fossil remains from a sulphur spring at Afton, Ind. T., by William H. Holmes	233
from a sulphur spring at Afton, Ind. T., by William H. Holmes—bone and antler implements	246
from a sulphur spring at Afton, Ind. T., by William H. Holmes—final examinations	240
from a sulphur spring at Afton, Ind. T., by William H. Holmes—first clearing out of the spring	239

Page.
Flint implements and fossil remains from a sulphur spring at Afton, Ind. T., by William H. Holmes—fossil remains. 242
from a sulphur spring at Afton, Ind. T., by William H. Holmes—introduction. 237
from a sulphur spring at Afton, Ind. T., by William H. Holmes—list of illustrations 235
from a sulphur spring at Afton, Ind. T., by William H. Holmes—peoples concerned in the deposit 248
from a sulphur spring at Afton, Ind. T., by William H. Holmes—significance of the deposit 247
from a sulphur spring at Afton, Ind. T., by William H. Holmes—stone implements 244
from a sulphur spring at Afton, Ind. T., by William H. Holmes—the formations 241
from a sulphur spring at Afton, Ind. T., by William H. Holmes—the springs at Afton 238
from a sulphur spring at Afton, Ind. T., by William H. Holmes—traditions regarding the spring 239
Flying fish 198
Folsom, Justus W., report by, upon thysanura 76
Fontaine, W. M., joint paper by 159
title of joint paper by 170
Food animals 356
Forestdale ruin, archeological field work at 289
bone 295
building material used in 291
burials 292
cemetery 292
collection secured by Museum-Gates expedition at 292
débris 292
description of 289
food, water, wood, clay, and stone, problems of 289
gray ware 294
location of 289
necessities 289, 290
pottery 292, 296
ruins near 291
shell 295
skeletons 296
stone 294
Tundastusa ruin, explanation of name 289, 290
Fort Apache, visit to 287
Fossil remains and flint implements from a sulphur spring at Afton, Indian Territory, by William H. Holmes 233
Fouquer, I., ethnological objects purchased from 54
Four-eyed fishes 198

	Page.
Fracker, Miss Harriet G., services of	55
France, distribution of specimens in	144
Free Museum of Science and Art of Philadelphia, collection purchased by	302
Fresh-water drum	199
Fur seal	191
Galapagos Island land tortoise	196
Gar pike	199
Garman, Samuel, fishes lent to	31, 78
Gates collection, canteen in	325
Gates, Mrs., aid given by, in botanical work	288
Gates, Peter G., ethnological investigations by	22
explorations conducted in conjunction with	55, 287
interest of, in the exploration of the Southwest	287
photographs made by	288
vase secured by	350
work of, in Pueblo country	60
Gatschet, A. S., reference to a publication by	248
Gem collection, completion of manuscript of handbook on	87
Geological section across the United States, work in progress on	35
Geological Survey, accessions derived from	16
collections transmitted by	9, 40
explorations of	8
funds obtained for a model of a skeleton of triceratops prorsus, through joint arrangement with	218
geological accessions from	20, 81, 82
in California and the Appalachian region, work of	85
Marsh collection recently transferred to Museum by	31
material contributed by	83
of Canada, Ottawa, plants from	25
series of minerals sent to	32, 88
topographic data available from records of	85
Geology, Department of, accessions to	20, 81
assistance to individuals and institutions	88
concluding remarks	90
exhibition collections of	35
head curator	94
labeling	85
Pan-American Exposition	86
personnel	90
plans for the future	89
present state of the collections	86
report of head curator on	81
report on exhibit of, at Pan-American Exposition, by George P. Merrill	218
report on exhibit of, at Pan-American Exposition—Division of Geology	219
report on exhibit of, at Pan-American Exposition—Division of Mineralogy	220
report on exhibit of, at Pan-American Exposition—Division of Stratigraphic Paleontology	222
report on exhibit of, at Pan-American Exposition—Section of Invertebrate Fossils	222
report on exhibit of, at Pan-American Exposition—Section of Vertebrate Fossils	228

	Page.
Geology, Department of, research and publication	87
routine	84
sources of new material	83
time given by, to exposition work	90, 91
work of, for Pan-American Exposition	85, 218
Division of, exhibit for, at Pan-American Exposition	219
specimens of exposition labels used in	219
Germany, distribution of specimens in	144
Giant armadillo	191
woodpecker	194
Gidley, J. W., loan to	32, 88
Gila monster	197
Gill, De Lancey, aid given by, in the work of excavation	240
Gill, Theodore, title of paper by	159
Girty, George H., geological description by	82
title of paper by	159
Glacier bear	190
Glass snake	189, 197
Glenn, L. C., mollusk collections consulted by	30, 79
Goat antelope	191
Goeldi, Dr., conference with	363
Golden eagle	192
Gomez, Coronel, stop at property of	365
Goode, G. Brown, biographical account of, contained in Volume II of Report for 1897	37
earnest and conscientious labor of, for Museum	10
reprints of several important papers of, on museums and on the history of scientific progress in America	37
Gordon, Robert H., accession from	82
Gore, J. H., commissioner	59
Government building, Pan-American Exposition, amount appropriated for	181
description	181
inconvenience experienced by workmen in	182
space in, allotted to Smithsonian Institution and National Museum	182
Commission of Pan-American Exposition, lay figure of Filipino girl lent to	217
exhibit at Pan-American Exposition, amount appropriated for	181
Graham, A. R., paragraphs from letter from, regarding discovery of an offering spring	250
Grand jacamar	195
potoo	194
Grass and adobe houses of the Papago Indians, old style, Arizona, description of model of	210
houses of the Wichita Indians, Indian Territory, description of model of	209
Graves, Miss Lucy M., appointed stenographer	90
Gray Herbarium, plants received in exchange from	71
ware, region of	354
wolf	191
Grayling	198
Great ant-eater	191

	Page
Great Britain, distribution of specimens in	144
Plains Indians, skin lodges of the	207
white shark	197
Greene, E. L., botanical collections used by	30, 32, 80
Greenland Eskimo	200
snow houses of the	207
Grinnell, Joseph, titles of papers by	159
Grote, A. R., lepidoptera collection purchased from	69
Groupers	198
Groups of lay figures at Pan-American Exposition, description of the	202
Grunts	198
Gulf of California, spiral shell ornament from	300
Günther, Albert, cotype of bufo argillaceus lent to	32
Guthrie, Leon J., collecting outfit furnished to	24
Haida, representing the Northwest Coast tribes, wooden dwellings of	207
Hampson, Sir George, specimens of diptera and hemiptera lent to	31
Harlequin duck	193
Harper, R. H., information furnished by, relating to fossil remains and flint implements	237
paragraph quoted from letter to	249
pits sunk by, at Afton	241
report by, as to sand and gravel at Afton	242
specimens and fossil teeth obtained by	239
Harper, Roland M., work of, in Division of Plants	74
Harpoons, exhibit illustrating	212
Harpy eagle	192
Harriman Alaskan Expedition	20
worms collected by	71
Harris, I. H., collection of Cincinnati fossils	90
Hartley, Frank, accession from	82
Hassler, Emil, collection exhibited by, at World's Columbian Exposition	54
collections made by, obtained through exchange	54
ethnological collection made by	18
Haswell, Charles H., bronze bust of, presented to Museum	53
Hawk parrot	192
Hay, O. P., loan to	32, 88
Hay, W. P., work by, on crayfishes	29, 71, 80
Hayden survey of Colorado	85
Hayford, Mark C., rocks and ores sent to	88
Head curators, reports of	49
Heating system of Museum	16
Heidemann, Otto, report by, on hemiptera collected at Galapagos Islands	28, 77
of Harriman expedition	77
titles of papers by	159
work of, in Division of Insects	74
Heller, A. A., plants lent to	32
Hemiptera, specimens of	25
Hemiptera-Heteroptera, work done on	74
Henderson, J. B., jr., collecting trip of	19, 23
conchological explorations of	67
mollusk collection made by, in Haiti and Jamaica	69
Hendley, H. W., work of, in building lay figures	217
setting up lay figure groups	217

Page.
Henshaw, H. W., crustaceans presented by 20, 71
hymenoptera given by 70
titles of papers by 159
Hesperornis regalis, skeleton of 20
Hilder, F. F., collecting trip made by 23, 60
Philippine collection of the late 27
return of, from the Philippines 58
Hine, J. S., insects lent to 31, 78, 79
History, Division of, donations to 18
Hitchcock, C. H., rocks collected by 29, 87, 219
Hoatzin 193
Hobart, W. T., gift by 52
Hodge, F. W., information given by 350
Hofmann collection of European lepidoptera 69
moths 73
Hofmann, O., lepidoptera collection formed by 19, 69
purchased from 19
Hog-nosed snake 197
Holbrook, Arizona, field work in 287
return to, to complete packing and shipping of specimens 288
Holland, distribution of specimens in 145
Holmes, Mrs. Kate C., lifelike coloration of figures by 217
Holmes, S. J., amphipod crustaceans sent to 31, 78
Holmes, W. H., anthropological specimens secured by 17
examination of important flint quarries made by 62
exhaustive report on the industries of mining and quarrying among native tribes begun by 26
flint quarries examined by 59
fossil mastodon beds at Kimmswick visited by 237
frets figured by 354
head curator of Department of Anthropology 51, 93
report of 51
implements and rejectamenta of manufacture collected by ... 51
information from, regarding ceramic groups 353
white ware 323
manuscript and illustrations for a large work on the ancient pottery of the United States, nearly finished by 26, 58
on Classification and arrangement of the exhibits of an anthropological museum 253
on Flint implements and fossil remains from a sulphur spring at Afton, Indian Territory 233
paper embodying detailed instructions to collectors in the Philippines compiled jointly by 58
pottery figured by 304
pueblo culture characterized 353
report by, on the exhibit of the Department of Anthropology at the Pan-American Exposition 200
report on Department of Anthropology by 51
report on ethnological and general archeological observations made in far West during previous years, completed by 26, 58
titles of papers by 160
two papers on anthropological subjects furnished by 60
visit of, to Afton 237
vicinity of Mill Creek, Union County, Illinois 59

	Page.
Holmes, W. H., work of, in connection with Pan-American Exposition	58
Department of Anthropology	57
preparing a full report on the great industries of mining and quarrying among native tribes, entered upon	58
Holy-ghost bird	196
Hoop snake	197
Hopi buttes and mesas, archeological field work at	326
environment of	289
clan names, environmental phase of	352
contact of, with cliff dwellers	351
form, vases of ancient	324
former inhabitants of Stone Axe related to	322
Indians, pipes used by, in ceremonies	317
origin of culture and early clans	351
pueblos, ethnological studies at	288
specular iron ore used by, in ceremonies	322
type, fine yellow pottery of	327
whistles of	322
Horse mackerel	198
Hough, Walter, archeological material collected by, in 1896 and 1897	326
ceremonial use of springs reported by	249
cups found by, at Homolobi	331
double-bitted axe found by	331
ethnological investigations by	22
example of ware of the Navaho Springs region collected by	315
group of Hopi ruins explored by	322
ruins explored at Homolobi	346
on Archeological field work, in northeastern Arizona. The Museum-Gates expedition of 1901	279
ordered into the field to conduct ethnological and archeological investigations in northeastern Arizona	287
paper presented by, before Anthropological Society of Washington	352
photographs made by	288
pictographs copied by	356
pottery investigations by	327
recommendation by, to Bureau of Ethnology to purchase collection	307
return of, to Holbrook	288
Washington, from northeastern Arizona	288
shrine discovered by, at Biddahoochee	316
specimens in Scorse collection at Holbrook identified by	328
study of the art of pottery making made by	353
time spent by, in examining and mapping two groups of undescribed ruins north of Holbrook	305
title of paper by	160
ware collected by	328
work by	55
of, in preparation of exhibit for Pan-American Exposition	217
in Pueblo country	60
House of Representatives, action of, for new Museum building	12

Page.
Howard, L. O., book on habits and classification of mosquitoes, published by. 77
honorary curator Division of Insects, report by 73
report of, regarding scientific researches in division of insects. 76
titles of papers by 160
Howe, C. F., geological specimens received from 81
Howe, Reginald H., jr., papers published by 78
skins lent to 31, 78
titles of papers by 161
Hrdlicka, Ales, archeological material reported on, by 326
Hubbard, Henry G., titles of papers by 161
Hudson hot spring 250
Hudson, Richard, medicinal virtues of waters of spring discovered by 251
Hulbert, H. P., cart purchased from 53
Humming birds 196
Huning, Henry, ruin on ranch of, worked 287, 301
ranch 301
ruin 301
Hupa Indians of California, description of, group of 204
pipes of 317, 320
Hurlbut, Carrie V., resignation of 90
Hutton, F. W., material sent to 88
moa bones obtained by exchange from 82
Hydrographic Office, specimens of ocean bottom transmitted by 71
Hymenoptera, work done on 74
Hypurina, list of words from 378
Hypurinas, arms 374
bones of dead preserved 375
cannibalism 375
canoes 376
dress 374
employment 374
feasts 377
houses of 375
hunting and fishing 376
language 374
malocca of, visited 373
method of cultivation 376
fishing 376
musical instruments 377
permanent village of 366
sleep in bark hammocks 375
snuff taking 375
songs of 378
strength 374
the 374
village, description 375
villages of 374
warlike 375
words, list of 378
Hyutanihan, arrival at 366
guide found by agent at 366
location 366
return to 367

	Page.
Ihering, H. von, collection of naiades sent by	69
Illinois survey	85
Illustrations, list of, used in Archeological field work in northeastern Arizona. The Museum-Gates expedition of 1901, by Walter Hough	283
used in Flint implements and fossil remains from a sulphur spring at Afton, Indian Territory	235
of United States National Museum exhibit at Pan-American Exposition, list of	179
Imperial parrot	192
Implements, flint, and fossil remains from a sulphur spring at Afton, Indian Territory, by William H. Holmes	233
India, distribution of specimens in	144
Indian agent for Osage tribe, facts brought out by correspondence with	249
groups	203
office exhibit, Interior Department, lay figures of Sioux Indians lent to	217
tribes of the Purus River, Brazil, narrative of a visit to, by Joseph Beal Steere	359
Insects, accessions of	69, 70
Division of, accessions to	18, 19
exhibition of specimens of	34
papers published by members of staff during year	77
scientific researches in	76
work done in	73
number received	67
Installation of game birds, fishes, and large mammal heads displayed at the main entrance to the Smithsonian building	34
Instituto-Geologico, Mexico, rocks from	25
Interior Department, amount transferred from exposition allotment of	181
service of, in hindering despoiling of ruins	358
Sawmill, archeological field work at	297
ruin at, investigated	287
International Emery Company, gift of	81
fisheries exhibition at Berlin, donations and purchases from	8
London, donations and purchases from	8
Invertebrate fossils, exhibition of	35
Section of, exhibit of, at Pan-American Exposition	222
specimens of exposition labels used in	222
Ireland, distribution of specimens in	145
Italy, distribution of specimens in	145
Itinerary, narrative of a visit to Indian tribes of the Purus River, Brazil	363
Ituchy River	365
Itui	199
Jacamars	195
Jaguar	191
Jamaica boa	196
Jamamadi, agriculturists and hunters	384
axes	385
boats	385
building visited, description	382
chiefs	380
cultivation, method of	384
ears and nose pierced	380

Page.

Jamamadi, earthen pots 386
hair 381
hammocks 386
hunters 385
language 380
list of words of 386
location 380
normal condition 380
number of 380
occupations 386
ornaments 380, 381
permanent residence of 382
village of 366
pestilence 380, 384
poison 385
products 385
snuff making 381
takers 381
the 380
malocca of the 370
village visited 380
visit to 371
weapons 385
wearing apparel 380, 381
Jeju 199
Jemez, white ware occurs at 323
Jenkins, O. P., fishes collected by 19
Hawaiian fishes presented by 69
Jettyto Spring, ruin near, worked 288
Valley ruins 332
age of 349
Wash, ruin on, excavated 288
Jewfish 198
Jim Camp, well in wash at 309
Jivaro Indian man, Brazil, description of figure of 206
Johnson, C. E., work of, in building lay figures 217
Johnson, C. W., diptera presented by 70
Johnston, Miss Frances B., views of exhibits at Pan-American Exposition made by 218
Jordan, David Starr, joint paper by 168
titles of joint papers by 162
Joseph, Nathan, stone implements purchased from 54
Jouy, Mrs. M. S. F., promotion of 90
report by 84
Juan Baca, services of, secured 327
specimens procured by 328
Kadiak bear 190
Kansas survey 85
Kawaiokuh ruin, archeological field work at 339
arrow smoothers 343
arrowheads 344
artifacts 341
axes 343

	Page.
Kawaiokuh ruin, beads of turquoise	344
bone awls	344
burial ceremonies	345
burials	340, 341
cemetery	341
ceremonial implements	343
crystals of quartz	344
devastated by the Navaho	340
felt-like masks of the down of birds	345
flint chipping	345
glass	344
graves	345
hammers	343
houses	340
juniper trees	340
knives	344
lignite	340
location	339
obsidian	344
ornaments	344
pahos	345
pigments	345
plants	340
pottery	341
pottery-burning place	340
ruins in neighborhood of	341
scrapers	344
shell	344
springs	340
stone working	343
tubes of bird bone and deer bones	344
village	340
vitreous stone	344
wicker and coiled basketry	345
Keam collections at Peabody and Chicago	347
Keam, T. V., additions to collections made by	337
pottery investigations	219, 250
specimens of antique pottery brought to, by Navaho Indians	249
Kentucky survey	85
Kimmswick, fossil mastodon beds at	237
question raised concerning	237
Kincaid, Trevor, reports by	76
titles of papers by	162
King eider duck	193
vulture	193
King, W. H., detail of, to Key West, Florida	185, 186
fishes collected by	23, 67
Kinkajou	191
Kinkelin, F., fossil plants received through	83
Kiowas, whistles of	322
Kirkaldy, W., specimens of hemiptera from	25
Kit an ū ĕ h'h	371
object lesson in hunting given by	372

	Page.
Kiva, view of	290
Kloss, C. B., birds from Singapore Island presented by	68
Knight, Charles, painting by	86, 228
Knowlton, F. H., title of joint paper by	170
titles of papers by	162
Koehler, Sylvester R., honorary curator of Graphic Arts	41
reference to death of	42
sketch of	42
Kokopnyama ruin, archeological field work at	337
beans	339
bones of animals	339
brazier	337
excavation of	288
felt-like masks of the down of birds	339
fetishes	339
ironstone concretions	338
ornaments	338
pahos	339
pigments	338
pottery	337
shell objects	338
stone implements	338
textiles	339
water vases	337
worked bone	338
Kotchibe, T., gift of	82
Krantz and Sturtz, purchase from	82
Label work in Department of Anthropology for Pan-American Exposition	217
Biology for Pan-American Exposition	189
Division of Geology for Pan-American Exposition	219
Mineralogy for Pan-American Exposition	220, 221
Stratigraphic Paleontology	222
Section of Invertebrate Fossils for Pan-American Exposition	222
Labeling in Department of Geology	85
Labels, preparation of, for Pan-American Exposition, by Department of Biology	189
preparation of, for Pan-American Exposition, by Department of Biology, specimens of	189
required in classification and arrangement of the exhibits of an anthropological museum	272, 273, 274, 276, 277
specimens of exposition, used by Department of Biology	189
Division of Geology	219
Mineralogy	220, 221
Stratigraphic Paleontology	222
Section of Invertebrate Fossils	222
Lábria	365
Lacoe, Ralph Dupuy, gifts of, to U. S. National Museum	45, 83
reference to death of	44, 91
sketch of	43
Lake, W. C., geological gift of	82
Lane snapper	198
Langley, S. P., secretary of Smithsonian Institution	93
Laville University, types of Chambers's tineidæ presented by	70

Page.

Lay figures exhibited by Department of Anthropology at Pan-American Exposition 202
groups of, at Pan-American Exposition 200
description of the 202
Le Roux Wash, group of ruins on, carefully platted and plan of site made 288
location 305
Ledyard, H. B., galvanometer presented by 53
Lee farm house 318
Lee, Mr., long wall built by 319
skeletons found in house yard of 319
Lee, Mrs. Alexander McD., cufic tombstone sent to 31
Leland Stanford Junior University, Japanese fishes presented by 19, 69
Lemon, Frank, sculptor, skilful work of, in modeling life-size figures 217
Leocardo, Indian guide 366
Lepidoptera, arrangement of 73
card catalogue of, prepared 73
Lewis, H. M., purchase from 81
Libbey, William, photographs presented by 52
Library of Museum 39
accessions to 39
condition of 39
facilities afforded by, to students 39
work of 39
Life Histories of North American Birds, work on, continued 38
Lighting facilities of Museum 15, 16
Lignite used as fuel 334, 340
Linden ruins, archeological field work at 297
bone 300
burials 298
cemeteries 298
description 297, 298
environment 297
fibers or textiles 300
implements 300
location 297
pottery 299
shell 300
skeletons 299
water 297
Lippman, G., photographs presented by 52
List of accessions during year 95
authors of papers in bibliography 173
illustrations of U. S. National Museum exhibit at Pan-American Exposition, Buffalo 179
used in Archeological field work in northeastern Arizona. The Museum-Gates expedition of 1901, by Walter Hough 283
Flint implements and fossil remains from a sulphur spring at Afton, Indian Territory 235
Little Colorado Valley, archeological field work in 302
Lizard clan 316, 332
Llama 191
Long-haired spider monkey 191

Page.
Loper, S. Ward, collections of cambrian fossils made by 82
examinations conducted by 24
Loubat, Duc de, gift by 53
Louisiana Industrial Institute, gift to 89
Purchase Exposition, St. Louis 41
appropriation of $250,000 made for erection of a Government building at 41
Loundsbury, C. P., diptera received from 70
Lovett, Edward, set of Maundy money from 25, 52
Lower Amazon, wild tribes of 363
Lucas, F. A., assistant sent by, to investigate fossil remains and flint implements 237
curator of comparative anatomy 42
designation of as acting curator of vertebrate fossils 42
efforts of, to obtain mastodon skeleton 184
excursions made by, to investigate reported finds of mastodon remains 218
exhibit for Section of Vertebrate Paleontology, prepared by 228
flightless birds and the osteology of the tile fish and its allies, investigated by 27, 77
geological explorations of 23
installation work of, at Buffalo 86
mastodons of North America, studied by 30
opinion expressed by, in regard to mammoth teeth 244
of, regarding bones of animals 296, 300
paper on a description of skull of lepidosteus atrox, published by 30, 88
new dinosaur from the lower cretaceous of South Dakota, published by 30, 88
fossil cyprinoid from the miocene of Nevada, published by 30, 88
rhinoceros from the miocene of South Dakota, published by 30, 88
the characters and relations of gallinuloides, published by 30, 88
lachrymal bone in pinnipeds, published by 30, 88
pelvic girdle of zeuglodon, published by 30, 88
search of, for mastodon remains for Pan-American Exposition 83
time given to study of mastodons of North America by 87
titles of papers by 162
visit of, to Kiminswick, Missouri 184
vicinity of Plattekill, New York 184
work of preparing text for volume on stegosaurs, begun by 30, 87
Lucinacea, thorough revision of 73
Lululongturqui ruin, examination of 336
Luscombe, C. R., modeler of dwelling groups, credit due to 217
Lutken, Dr., ophiurans determined by 70, 73
Lyon, M. W., jr., biological accessions through 18
expedition of, to Venezuela 23
material collected by, in Venezuela 68, 70, 75
return of, to the United States 67
study of the osteology of the jerboas and jumping mice, completed by 27, 75

Page.

Lyon, M. W., jr., title of paper by 163
transfer of, to U. S. Department of Agriculture..... 80
Lyons, A. B., rocks collected by 219
MacCormack, Robert C., collection purchased from..... 54
McDonalds Canyon, archeological field work at 302
location..... 302
ruins 303
cemeteries 303
crania 305
débris 303
house-building material..... 303
pahos and fetishes..... 305
pottery 303
relief modeling..... 305
textiles 305
McGee, W J, collecting trip made by 23, 60
ethnological collection obtained by, from Cocopa Indians 185
ethnologist in charge, Bureau of American Ethnology 185
small sum granted, to collect objects illustrating the ethnology of the Tepoka Indians of Mexico 185
McGuire, J. D., collection presented by..... 17, 52
McNeill, Jerome, title of paper by 163
Macaws, species of..... 193
Mammals, Division of, accessions to 18
condition of collections 72
work in..... 72
exhibited at Pan-American Exposition 190
increase in 67
Pan-American Exposition 190
Man-eater 197
Man-o'-war bird..... 194
Manáos, growth of 364
Mantled howler 191
Map of North America, indicating in a general way the geo-ethnic provinces. 269
Margate fish 198
Marine fishes 198
invertebrates, collections of, transferred to the Museum..... 70
Division of, accessions to..... 19, 67
scientific researches and publications in 76
Marlatt, C. L., titles of papers by..... 163
Marmoreá Mirí..... 366, 373
Marsh collection 85
Marsh, Millard C., joint paper by 163
title of joint paper by 159
Marsh O. C., volume on stegosaurs projected by the late 30, 87
Martin, G. C., mollusk collections consulted by 30, 79
Mason, Otis T., assistance of, as a member of the U. S. Board on Geographic Names..... 58
coiled basketry to be described by..... 339
collection catalogued by 58
curator Division of Ethnology, report by..... 55
exhibits arranged under supervision of..... 211
information from, regarding the originators of many of the primitive arts 354

Page.
Mason, Otis T., investigations on the basketry technique of American Indians, continued by ... 26, 58
labels prepared by, for Pan-American Exposition ... 58
large Philippine collection arranged and labeled by ... 27
much time given to the ethnology of the Philippine Islands by ... 27, 58
paper describing a primitive heddle frame for weaving narrow fabrics, prepared by ... 60
paper embodying detailed instructions to collectors in the Philippines, compiled jointly by ... 58
paper on American basketry technic, published by ... 27, 58
paper on Traps of the Amerinds, prepared by ... 60
paper relating to the pointed canoes of the Kootenai River, prepared by ... 60
paper relating to the pointed canoes used on the Amur, prepared by ... 60
study on American aboriginal harpoons completed by ... 27, 58
titles of papers by ... 163
translations by, for the Secretary ... 58
work of, in selecting and arranging the ethnological material for Pan-American Exposition ... 217
the preparation of labels for Pan-American Exposition ... 117
Mata-mata ... 196
Maxon, W. R., botanical field work of ... 20, 23, 67, 71
list of ferns of North America published by ... 29
papers by, printed in publications other than those of Museum ... 38
published by ... 29, 77
studies of ferns and their allies continued by ... 29, 77
titles of papers by ... 163
work of in Division of Plants ... 74
Maya-Quiché Indians, Guatemala, description of group of ... 205
Maynard, George C., advanced from aid to assistant curator in Division of Technology ... 42
specimens of submarine telegraph cables given by ... 53
Mearns, E. A., American cats studied by ... 30, 79
collecting outfit furnished to ... 24
explorations of, in central Florida ... 66, 68
pocket and white-footed mice studied by ... 30
work of, on zoology of Mexican boundary survey ... 30, 79
zoological collections presented by ... 18, 67
Medal collection of Museum ... 33
Melanesia ... 18
Members of scientific and administrative staffs, list of, where found ... 42
Menchero, Padre, visit to Tusayan ... 349
Menhaden ... 197
Merriam, C. H., species of bear recently erected by ... 190
worms presented through ... 71
Merrill, George P., exhibit for Division of Geology prepared under direct supervision of ... 228
Guide to the study of the collections in the Section of Applied Geology of the National Museum, published ... 29, 87
head curator of Department of Geology ... 81, 94
report of ... 81
installation work of, at Buffalo ... 86

Page.

Merrill, George P., investigations of, upon a series of nepheline-melilite rocks. 29, 87
joint paper by 169
localities visited by, for purpose of obtaining geological specimens 184
paper on a stony meteorite which fell at Allegan, Michigan, in 1899, and an iron meteorite from Mart, Texas, published jointly by 29, 87
report by, on the exhibit made by the Department of Geology at the Pan-American Exposition 218
sawing of fine specimens of orbicular granite in Baltimore, superintended by 184
study of the stony meteorite which fell in Felix, Alabama, in 1900, completed by 29, 87
title of joint paper by 164
paper by 164
Metate ruin, archeological field work at 318
description 318
location 318
petroglyphs 318
pipe specimen from 317
pottery 318
Meteorite collection, growth of 35, 83
Mexican and Canadian boundary surveys 8
Mexico, distribution of specimens in 137
Micronesia 18
Milky Hollow ruin, archeological field work at 319
cemeteries 319
houses 319
lava pipes 319
location 319
people of, classified 320
pipe specimen from 317
pottery 319
shell ornaments 319
stone implements 319
stoves 320
village 319
Miller, G. S., jr., biological accessions through 18
collecting operations of, in vicinity of Peterboro, New York. 23, 66
collection of mammals made by, in Madison County, New York 68
on a revision of the red-backed mice of Europe, and a key to the land mammals of eastern North America 75
papers by, printed in publications other than those of Museum 38
on mammals published by 75
preparation of labels for Pan-American Exposition by 189
researches of, on mammals have resulted in twenty published papers 27
titles of papers by 164
Miller, Joshua, Arizona Antiquarian Society founded through efforts of 358
Mindeleff, Victor, plans of old Zuñi ruins figured by 296
plans of ruins made by 333
ruin surveyed by 337

Page.
Mineralogy, Division of, exhibit of, at Pan-American Exposition 220
specimens of exposition labels used in..... 220
Missouri survey 85
Mitscher, O. A., paragraph quoted from letter from..... 249
Mohr, Charles, plants lent to..... 32
Mollusks, Division of, accessions to..... 18, 19, 69
work in 73
Monkey-faced owl..... 193
Montagnais Indians, Labrador, skin and bark covered lodges of the 207
Moon eye..... 199
Mooney, James, statement published by, relating to pottery finds 250, 337
Moore, H. F., crustacea collected by..... 19, 71
ethnological material collected by..... 18, 51
oriental shells received through 69
Morgan, Mrs. George W., gift by..... 52
Mormon houses, remains of foundations of..... 291
Morris, E. L., botanical collections used by 30, 80
plants collected by 71
Mortensen, Dr., ophiurans determined by..... 70, 73
Motmots..... 195
Mount Thomas condensing focus 28ℭ
Mountain caribou 189, 191
Mud eel 197
fish 199
Mullet 197
Mundurucús, information about, concerning ethnological study 363
Museé de St. Germain, ethnological objects from 25
Zoologique de l'Academie Imperiale des Sciences, mammals from..... 25
Museum, Anthropological, classification and arrangement of the exhibits of an, by William Henry Holmes 253
cultural division 256
classification of culture materials. 257
culture-history arrangement..... 264
exhibit, example of 274
geo-ethnic arrangement..... 258
exhibit, example of... 268
labels 272, 273, 274, 276, 277
limitations of cultural material... 256
special culture series 267
scope of the anthropological field..... 255
somatological division 255
Museum für Naturkunde, diptera received from 25, 70
-Gates expedition, collection from Jettyto Valley by the..... 347
secured by, at Forestdale 292
disbanded 288
explorations by 287
first Jettyto ruin worked by 333
ruin at Showlow worked by..... 301
vases and vessels found by..... 337
of 1901, the. Archeological field work in northeastern Arizona, by Walter Hough..... 279
Hopi buttes and mesas..... 326
age of Jettyto Valley ruins 349

Page.

Museum-Gates expedition of 1901, the. Archeological field work in northeastern Arizona, by Walter Hough—Continued.
Hopi buttes and mesas, Biddahoochee 326
Chakpahu 366
Kawaiokuh 339
Kokopnyama 337
periods of Tusayan ware 346
introduction 287
list of illustrations 283
Little Colorado Valley 302
Adamana 317
Canyon Butte 309
McDonald's Canyon 302
Metate 318
Milky Hollow 319
Scorse Ranch 306
Stone Axe 320
small sites near 325
Woodruff 318
remarks 352
distribution of Pueblo culture 352
domestic and food animals 356
preservation of ancient ruins 357
range of dual design on pottery 354
summary of work 358
symbolism 355
types of buildings 352
table of contents 281
White Mountain Region 289
Forestdale 289
Interior Sawmill 297
Linden 297
Showlow 301
Shumway 302
paper giving summary of field work of 353
symbols collected by 356
party of 1901, pueblos examined by 352
Library 39
accessions to 39
condition of 39
facilities afforded by, to students 39
work of 39
publications, information furnished through 37
number of, distributed during the year 38
Senckenberg National Scientific Society, fossil plants received in exchange from 25, 83
staff 41, 93
field investigations of 17
list of publications by members of 38, 147
publications by members of, classified by subjects 38
Musical instruments, exhibit illustrating 216
Musk ox 191
Myriapoda, removal of 74

	Page.
Myrmeleonidæ, work done on	74
Nahuatl contact with Pueblo Region	351
Nampeo, pigments used by	348
revival of ancient ware and designs	347
Narbel, Paul, mammal skins and skulls from	26
Narrative of a visit to Indian tribes of the Purus River, Brazil, by Joseph Beal Steere	359
Hypurinas, the	374
itinerary	363
Jamamadi, the	380
list of illustrations	361
Paumari, the	387
Nashville Exposition, donations and purchases from	8
Nassau grouper	198
National Institute, society of	4
Institution, society of	4
Museum, Montevideo, Uruguay, bats, from	25
U. S., accessions received annually since 1880, table showing	22
action of House of Representatives for new building	12
Senate for new building	12
additions to collections of	16
administrative staff	94
alterations and repairs to buildings of	15
amount allotted for Pan-American Exposition	181
Appendix I	93
II	95
III	137
IV	147
appropriations and expenditures	13, 14
for fiscal year ending June 30, 1901	14
the year ending June 30, 1902	15
as a museum of record	7
research	9
an educational museum	10
balances remaining from the appropriations for the year ending June 30, 1899	14
bibliography	147
buildings	15
rented by, for storage	12
changes in scientific staff of	41
classification and arrangement of anthropological exhibits in	255
of publications of	11
specimens in	6
coin and medal collection of	33
collection of modern Zuñi pottery in	355
collections in, referred to by scientific assistants of various departments	30
collections of	16
completion of erection of	12
cooperation of the executive departments of the Government with the	39
correspondence of	37

	Page.
National Museum, U. S., disbursements during 1901 from the unexpended balances of appropriations for fiscal year ending June 30, 1900	14
from appropriations for year ending June 30, 1899	14
display of, at Pan-American Exposition, when opened to the public	182
distribution and exchange of specimens	24
of specimens	137
to schools and colleges of duplicate specimens by	11
effect on, of participating in expositions	40
ethnological material collected for	51
exhibit from, for Pan-American Exposition provided for	181
of, at Pan-American Exposition	41, 183
report on	177
on view in halls of, portion of Pan-American	218
exhibition halls of, overcrowded	12
expenditures for fiscal year ending June 30, 1901	14
explorations	22
in Arizona for	287
made by members of staff of	59
exploring opportunities of staff of	10
exposition work of	11
expositions	40
floor space of, compared with other museums	13
general considerations	3
growth of number of entries of specimens on record books of, from 1876 to close of 1901	8
heating system of	16
history of, as pointed out by the late Dr. Goode	6
inadequate accommodations of, for national collections	11
increase in number of collections received annually by	12
initial steps toward building up	4
large number of loans made to specialists by	31
papers produced by scientific staff of	9
library of	39
lighting facilities of	15
list of accessions	95
authors of papers in bibliography	173
illustrations of exhibits of, at Pan-American Exposition	179
publications by members of staff of	38, 147
material sent out to representatives of other institutions by	9
matter of new site yielding fossil remains taken up by	237
meteorite collection of	83
museum staff	93
necrology	42
no facilities had by, for making chemical analyses	37

Page.

National Museum, U. S., number of entries made in catalogues of several divisions of 21
publications of, including bound volumes and pamphlets, distributed during year. 38
specimens received in 1900–1901, and total number in the several divisions on June 30, 1901 21
opportunities afforded investigators by 9
overcrowded condition of 8
packed condition of storerooms of 8
papers by officers of, and others, based wholly or in part upon the national collections 149
describing and illustrating collections in the. 175
published in separate form during the year ending June 30, 1901 147
photography 39
present conditions and needs 11
principal sources of collections in the 7
progress in the installation of the exhibition collections 32
publication of descriptive papers by 6
publications 37, 147
by members of staff of, classified by subjects 38
issued by, during the year 37
repainting, etc., of southeast range in 33
report on, by assistant secretary of Smithsonian Institution 3
Department of Anthropology 51
Biology 63
Geology 81
exhibit of, at Pan-American Exposition. 181
the Department of Anthropology at Pan-American Exposition 200
report on the exhibit of the Department of Biology at Pan-American Exposition 185
report on the exhibit of the Department of Geology at Pan-American Exposition 218
reports of head curators of 49
represented on Government board of management at Pan-American Exposition 40
research work by members of staff of 26
scientific staff 41, 93
of, find little time during office hours for advancing knowledge 9
scope and objects of, as defined by the late Dr. Goode. 7
space allotted to, at Pan-American Exposition 182
staff of the 41
statistics of accessions for the past and previous years. 21
storage rooms of, overcrowded 12
summary of the operations of the year 13
table showing appropriations and expenditures for fiscal year ending June 30, 1901 ... 14

Page.

National Museum, U. S., table showing disbursements during 1901 from the unexpended balances of appropriations for the fiscal year ending June 30, 1900 14
number of visitors to, during fiscal year 1900–1901 36
number of visitors to, since 1881 36
title first recognized by congress in 1875 5
total number of specimens in possession of 16
visitors to 35
work of preparing exhibits for Pan-American Exposition begun 184
staff of, for Pan-American Exposition 183
required of employees of, in preparing for an exposition 41
Navaho Indians, the arid region, description of group of 204
Necrology 42
Nelson, Elias, title of paper by 166
Nelson, E. W., ethnological and archeological collections given by 52
mollusk, collections made by 60
seals obtained for Museum by 191
species of sheep first made known by 190
titles of papers by 166
Neosho Valley, course of events witnessed by the fleeting ages in the region of, outlined 252
Nesheptanga, work done at 336
New Orleans Cotton Centennial Exposition, donations and purchases from 8
New York Botanical Garden, plants received in exchange from 71
New Zealand, distribution of specimens in 145
Newhall, W. H., visit of, to Point of Rocks, Maryland 184
work of 85
Night hawk 194
Nogueira, Senhor João 368, 370, 371, 372
Nonpoisonous snakes of tropical America 196
North America, distribution of specimens in 137
map of, indicating in a general way the geo-ethnic provinces. 209
North American cerambycidæ, transfer of 73
Indians, ceremonial cannibalism among 313
North Carolina State survey 85
North Greenland Eskimo, description of group of 202
North, Howard W., collecting outfit furnished to 24
North Pacific, or Perry, exploring expedition 8
Norton, Arthur H., title of paper by 166
Norway, distribution of specimens in 145
Nutting, C. C., hydroids lent to 78
monograph of, on the plumularidæ 29
on the American hydroids 38, 78
title of paper by 166
work by, on the sertularian and campanularian hydroids 29
Ocean bottom, specimens of 20
Oceania, distribution of specimens in 145
Odonata, work done on 74
Oil bird 194
Oligochete worms, types of 20

Page.
Omaha Exposition, donations and purchases from 8
Omahas, reference made to sacred spring or well of the 248
Ordonez, E., eruptive rocks sent to 88
Ornithology acquisitions in 19
Osage tribe, Indian agent for, facts brought out by correspondence with 249
Osborn, Henry F., work of, upon the fossil titanotheres 31
Osborn, Herbert, types of jassidæ presented by 70
Osgood, Wilfred H., title of paper by 166
Ottolengui, Dr., moths presented by 70
Oussani, Gabriel, bowls and seals purchased from 63
Ovenbird of Brazil 195
Owen, C. L., archeological work of 346, 347
Pacific cable survey 71
pyramidellidæ, investigation of 28
Railroad survey 8
Paddle fish 199
Pahos, distribution of 345
Palache, Charles, loan to 32, 88
Paleobotany, Section of, no exhibit made by, at Pan-American Exposition ... 219
Palmer, Edward, pottery specimens collected by 308
Palmer, William, collections made by, in Cuba 70, 186
expedition of, to Cuba 23
explorations of, in western Cuba 184, 186
return of, from Cuba 67, 184
title of paper by 166
Pan-American Exposition, amounts appropriated for Government exhibit and building 181
an act to encourage the holding of a 229
Buffalo, N. Y 40
exhibit from National Museum provided for 181
Smithsonian Institution provided for. 181
exhibition cases 183
geological specimens purchased for 81, 82
Government building, description 181
installation of large mammals prepared for the 34
preparation for anthropological exhibit at 22
report on exhibit of Department of Anthropology. 200
Biology 185
Geology 218
U. S. National Museum at 181
summary 181
when held 181
where held 181
work of Department of Geology on 86
preparing exhibits for, begun 184
Papago Indians, old style, Arizona, grass and adobe houses of the 207
Papers by officers of the National Museum, and others, based wholly or in part upon the the national collections 149
describing and illustrating collections in the U. S. National Museum .. 175
published in separate form during the year ending June 30, 1901 147
published in separate form during the year ending June 30, 1901, Circular 50 149
published in separate form during the year ending June 30, 1901, from the Report for 1898 147

Page.

Papers published in separate form during the year ending June 30, 1901, from the Report for 1899 148
published in separate form during the year ending June 30, 1901, from Volume 23 of the Proceedings 148
Pará merchants, information from 364
Paroquet, Carolina 192
of Brazil 192
Parrots 192
Patagonian 200
cavy 191
Patagonians, South America, skin shelters of the 207
Paumari, boat songs 387
burial customs 390
canoes 389
characteristics 387
chickens 390
chiefs 387
clans or subtribes 387
clothing 388
dogs 390
fermented drink 389
flood tradition 389
floods 389
food 390
hair 389
height 389
huts 389
description 389
Indian women 365
Indians 365, 366
industries 390
list of words of the 390
location 387
mats 390
music 387
nose and lips pierced by 389
numbers diminishing 387
paint, how made 388
use made of 388
permanent villages 388
pottery 390
sand bars 389
sentences from the 392
skin disease 388
snuff making 389
taking 389
song of the turtle 388
songs 393
the 387
tobacco cultivated 389
turtle butter 390
catching 390
Pawnee Indians, Dakota, earth lodges of the 207

	Page.
Peale, A. C., proposed work for, in Section of Paleobotany	90
work of, upon the preliminary compilation of a geological section across the United States	85
Peck, Ferdinand, U. S. commissioner to Paris Exposition of 1900	59
Pedro Bom	369, 372
home of	369
Peixe cachowo	199
Pepper, George H., discoveries of, in northern New Mexico	351
Perdue, George W., accession from	82
Pergande, Theodore, diptera and galls of hormomyia fagi, presented by	70
reports by	77
titles of papers by	166
Personal ornaments, exhibit illustrating	215
Personnel of Department of Biology	80
Geology	90
Petersen, H. B., gift of	82
Peterson, William C., collecting outfit furnished to	24
Petrified forest. (*See* Metate, Canyon Butte, and Stone Axe ruins.)	
Philadelphia, Centennial Exhibition at, Government collections at	5
Philippine exhibit, Government building, lay figure of Filipino girl installed in	217
Phillips, W. A., flint quarries examined by	22, 59
Photographer, review of work of the	39
Photographic laboratory, illustrated catalogue in blue print, nearly completed by	39
work of	39
Photography of Museum	39
Physical anthropology	255
Pickerel	198
Pictography and writing, exhibit illustrating	216
Pile dwellings of the Venezuela tribes, South America, description of model of	210
Piro Indian man, Brazil, description of figure of	206
Pirsson, L. V., eruptive rocks sent to	88
Pittsburg Reduction Works, gift by	53
Plants, accessions of	71
Division of, accessions derived from	17
papers published by members of staff during year	77
work done in	74
lent by Department of Biology during year, number of specimens of	79
purchased during year	72
Plumularidæ, special bulletin on	38, 147
Poison toad	198
Poisonous snakes of North America	196
Pollard, C. L., articles on the families of flowering plants, published by	29, 77
botanical field work of	23, 67
description of a new helianthus published by	29, 77
papers by, printed in publications other than those of Museum	38
plants collected by	20, 71
studies of violets by	29, 77
titles of papers by	167
violet collection obtained by	67
Polynesia	18
Pottery, environment versus custom	353

Page.

Pottery, exhibit illustrating 214
Hill ruin 297, 298
cemetery 298
houses 298
occupations 298
pottery 298
soil 298
vegetation 298
walls 298
kilns 334, 340
range of dual design on 354
Powell, J. W., pueblo visited by 347
Present conditions and needs of Museum 11
Priest, B. W., foraminifera from 25
sent to 31, 78
Princeton University Arctic Expedition 20, 71
Proceedings of the Washington Academy of Sciences, reports published in ... 76
Proceedings U. S. National Museum, number volumes issued 11
scope of 11
Volume 22, contents of 38
published 147
Prong-horn 191
Pseudothelphusa fossor, specimens of 25
Publications by members of Museum staff, classified by subjects 38
list of 38, 147
issued by Museum during year 37
of Museum 147
including bound volumes and pamphlets, distributed during year, number of 38
Pueblo culture, distribution of 352
Puerco, shrine found at 316
Puma 191
Purús River, Brazil, narrative of a visit to Indian tribes of the, by Joseph Beal Steere 359
course of 364
forests 364
settlements 364
wild tribes of upper, visited 364
Pygmy woodpecker 194, 195
Quartermaster's Department of the Army, courtesies of 40, 184
Quezal 195
Raccoon 191
Raincloud clan 332
Ralph, W. L., custodian of Section of Birds' Eggs 42
donation of rare birds' eggs by 19, 69
made honorary curator of Section of Birds' Eggs 42
work of, on Bendire's Life Histories of North American Birds 27, 38, 75
Randall, F. A., purchase of private fossil collection of 20, 82, 83
Range of dual design on pottery 354
Rathbun, Miss M. J., keys to the various groups of North American crabs completed by 28, 76
macrura studied by 76

Page.
Rathbun, Miss M. J., report by, on the decapod crustaceans collected by Harriman expedition in 1899 ..... 28, 76
report on brachyuran and macruran crustaceans collected by expedition to Galapagos Islands, completed by 28, 76
report on brachyuran and macruran crustaceans collected in Porto Rican waters, completed by 28, 76
report on the decapod and stomatopod crustaceans of the Branner-Agassiz expedition, completed by 28, 76
review of the decapoda of the west coast of North America, undertaken by 28, 76
synopsis of the grapsoid crabs of North America, published by 28, 76
titles of papers by 167
Rathbun, Richard, assistant secretary of Smithsonian Institution in charge of U. S. National Museum 3, 93
report of 3
title of paper by 167
Read, Frank E., collecting outfit furnished to 24
Red-billed toucan 192
blue-and-yellow macaw 193
drum 198
Eagle, statement by, regarding spring at Afton 249
eared calliste 195
grouper 198
horse mullet 199
ware, region of 354
Rehn, James A. G., bats lent to 31, 77
investigations conducted by, in Division of Insects 30
orthoptera investigated by 79, 80
Remains, fossil, and flint implements from a sulphur spring at Afton, Indian Territory, by William H. Holmes 233
Remarks, archeological field work in Arizona 352
Remington Arms Company, gift by 53
Remora 197
Report for 1897, Volume II, information contained in 37
1898, appendix to 37
1899, contents of 37
of Assistant Secretary 1
Appendix I 93
II 95
III 137
IV 147
report on Department of Anthropology 51
Biology 63
Geology 81
on Department of Anthropology, by the head curator 51
Biology, by the head curator 63
Geology, by the head curator 81
the exhibit of the Department of Anthropology at Pan-American Exposition, by William H. Holmes 200
description of the groups 202
dwelling group models 207
exhibits illustrating leading arts and industries of the native Americans 211

Page.

Report on the exhibit of the Department of Anthropology at Pan-American Exposition, exhibits representing the art collections 216
groups of lay figures 200
the exhibit of the Department of Biology at Pan-American Exposition, by Frederick W. True 185
birds 192
cases and installation 188
fishes 197
mammals 190
reptiles and batrachians 196
taxidermy 187
the exhibit of the Department of Geology at Pan-American Exposition, by George P. Merrill 218
Division of Geology 219
Division of Mineralogy 220
Division of Stratigraphic Paleontology 222
Section of Invertebrate Fossils 222
Section of Vertebrate Fossils 228
the exhibit of the United States National Museum at the Pan-American Exposition, Buffalo, New York, 1901, by Frederick W. True, William H. Holmes, and George P. Merrill 177
Reports of head curators 49
Reptiles and batrachians, Pan-American Exposition 196
cases arranged for exhibit of 33
Division of, accessions to 19
exhibition collections of 33
work done in 73
received by Department of Biology 69
Research and publication in Department of Biology 75
Geology 87
facilities of Museum 9
work by members of Museum staff 26
Researches and publications, scientific, of the Department of Biology 75
Rhea 192
Richardson, Harriet, appointed collaborator in Division of Marine Invertebrates 42, 80
key to the isopods of the east coast of North America, by, published 28, 76
report on the isopods of the Branner-Agassiz expedition, by, published 28, 76
report on the isopods of the Leland Stanford Junior University expedition prepared by 28, 76
titles of papers by 167
Richmond, Charles W., assistant curator, work of 72
large collections made by, in Porto Rico 186
preparation of a card catalogue of the genera and species of recent and fossil birds, continued by 27, 75
labels for Pan-American Exposition by 189
return of, from Porto Rico 184
three papers on nomenclature of birds, published by 27, 75
titles of papers by 167
visit of, to Porto Rico 184, 186

Page.
Ridgway, Robert, bird collection purchased from 19, 68
first volume of work on Birds of North and Middle America, by, put in type 27, 75
manuscript of second volume of Birds of North and Middle America, nearly completed by 27
new genera and species of tanagers and orioles, described by. 27, 75
progress of, on Birds of North and Middle America 75
title of paper by 167
Ries, Heinrich, geological material collected by 81
Riley, J. H., expedition of, to Cuba 23
explorations of, in western Cuba 184, 186
large collections made by, in western Cuba 70, 186
return of, from Cuba 67, 184
Robb, M. L., collecting outfit furnished to 24
Robinson, B. L., plants lent to 32
Robinson, H. A., volcanic rocks sent to 32, 88
Robinson, Wirt, biological accessions through 18
expedition of, to Venezuela 23
material collected by, in Venezuela 68, 75
Rock hind 198
Roebling, W. A., geological gift of 82
Roon, van, G., exotic coleoptera from 26
Rose fish 198
Rose, J. N., monograph of North American umbelliferæ published jointly by. 29, 77
paper by, printed in publication other than Museum 38
preparation of work on the flora of Mexico, by 29, 77
studies of flora of Mexico continued by 29, 77
title of joint paper by 167
Roseate spoonbill 194
Rosenstock, Edward, ferns from 25
Royal Botanical Gardens, Sibpur, India, plants from 25
Geological Museum, Leiden, Holland, fossil corals from 25
Zoological and Anthropological-Ethnographical Museum, ethnological objects from 25
Rubber gatherers 365
Ruins, ancient, preservation of 357
unlawful despoiling of 357
Russell, Frank, ruin excavated by 333
Rust, Horatio N., ethnological and archeological specimens collected by 52
Rydberg, P. A., plants lent to 32
St. Vincent parrot 192
Sa-a-la-ko, archeological specimens secured from 343
Sail fish 198
San João, arrival at 368
station of 373
San Luis de Cassyaná, stop at 365
Sargent, C. S., plants presented by 71
Schau, Assúc 371
imitations of animals and birds by 373
snuff-making by 371
Schellwien, E., carboniferous brachiopods from 26
Schmalensee, M., collections of cambrian fossils made by 82
examinations conducted by 24

Page.

Schott, Mr., pottery sold to 292
Schuchert, Charles, carboniferous, silurian, and devonian collections made by. 82
exhibit for Section of Invertebrate Fossils prepared by..... 228
fossils collected by..... 23
installation work of, at Pan-American Exposition..... 84, 86
oriskany fossils collected by 88
paper by, printed in publication other than Museum..... 38
on the helderbergian fossils near Montreal published by..... 29, 87
preparation of a monograph on the American fossil starfishes continued by 29, 87
report by, as to installation 85
reports the I. H. Harris collection of Cincinnati fossils as next to receive attention 90
studies relative to the zones separating the upper silurian and lower devonian faunas in America continued by..... 29, 84, 87
time spent by, in collecting fossils..... 84
title of paper by..... 168
zeuglodon material obtained by, in Alabama..... 228
Schwarz, E. A., reports by, upon coleoptera and psyllidæ..... 28, 76
titles of papers by..... 168
work of, in Division of Insects..... 73, 74
Scientific researches and publications in Department of Biology..... 75
staff..... 93
of Museum, changes in..... 41
of what it consists..... 41
Scorse, H. H., pottery purchased from..... 303
Scorse Ranch ruins, archeological field work at..... 306
burials 307
description 306
houses 307
location 306
pottery..... 307
brown ware 308
gray ware..... 307
red ware..... 308
Sculpture, exhibit illustrating 214
Sea bat 198
Sears, E. J., gift by 52
Secretary of Smithsonian Institution, direction of Museum rests with 41
papers prepared by members of Museum staff, based on Museum material, printed in publications other than those of Museum, with permission of. 38
Section of American History, crowded condition of..... 33
Invertebrate Fossils, exhibit of, at Pan-American Exposition..... 222
specimens of exposition labels used in..... 222
Paleobotany, no exhibit made by, at Pan-American Exposition..... 219
Vertebrate Fossils, exhibit of, at Pan-American Exposition..... 228
Seldon, E. P., plant collection made by..... 20
Sellards, E. H., fossil plants received through..... 83
Senate, action of, for new Museum building..... 12

Page.
Sessford, Joseph, clerk in Division of Reptiles and Batrachians 42
reference to death of 42, 80
Seton, Ernest Thompson, collection of American deer examined by 79
examination of specimens of American deer by 30
mountain caribou first made known to science by 191
Seton-Karr, H. W., anthropological specimens presented by 17, 52
Seven-colored calliste 195
Sharp, J. H., portraits purchased from 54
Sharpe, David, hymenoptera donated through 70
Sharpe, R. W., collection of ostracoda sent to 78
Sheepshead 197
Sheldon, E. P., plants collected by 71
Sheridan, P. H., Flemish tapestries deposited by 15
Shovel-nose shark 197
Showlow ruin, archeological field work at 301
artifacts 301
bones 301
cemetery 301
description 301
location 301
potshards 301
pottery 301
skeleton 301
Shufeldt, Miss M. A., ethnological objects purchased from 54
Shufeldt, Percy W., collecting outfit furnished to 24
Shufeldt, R. W., skeletons of birds lent to 32, 79
Shumway ruin, archeological field work at 302
cemetery 302
description 302
location 302
pottery 302
Sierra (Digger) Indians, California, dwellings of the 207
Signal Corps, activities of officers of the 8
Simpson, C. T., collecting trip of 19, 23
conchological explorations of 67
mollusk collection made by, in Haiti and Jamaica 69
on synopsis of the naiades 38
papers on river mussels, published by 76
report on mollusks collected in Porto Rico, prepared jointly by 27, 76
studies of the naiades, continued by 28, 76
three short papers on naiades completed by 28
titles of papers by 168
Singer, Frederic, collecting outfit furnished to 24
Sioux Indians, the Great Plains, description of group of 204
Skate 198
Skidi, cemetery rifled by 292
information gathered from, as to burials 292
prominent Apache 290
Skin and bark-covered lodges of the Montagnais Indians, description of model of 208
lodges of the Great Plains Indians, description of model of 209
shelters of the Patagonians, South America, description of model of 211
Slade, G. T., gift by 53

Page.

Small, J. K., plants lent to 32
Smillie, T. W., photographer of Smithsonian Institution and National Museum. 218
photographic laboratory under 39
views of exhibits at Pan-American Exposition made by 217, 218
Smith, Fred, geological gift of 81
Smith, James P., fossils sent to 32, 88
Smith, J. B., insect collections investigated by 30, 80
insects lent to 31, 78
species of noctuidæ presented by 70
titles of papers by 168
Smithson, James, reference to bequest of 3
Smithsonian building, walls of entrance hall of, repainted 65
Eclipse Expedition of 1900, photographs presented by 52
Institution, act of Congress, 1846, to establish 3
amount allotted for Pan-American Exposition 181
attention of, called to new site yielding fossil remains. 237
building, table showing number of visitors to, during fiscal year 1900–1901 36
building, table showing number of visitors to, since 1881 36
deposit of flint blades exhibited in 251
exhibit from, for Pan-American Exposition provided for 181
exhibits representing art collections of 216
explorations under auspices of 7
policy of, in library matters 39
represented on Government Board of Management at Pan-American Exposition 40
space allotted to, at Pan-American Exposition 182
Snakebird 194
Snapping turtle 196
Snodgrass, Robert E., diptera presented by 70
material collected at Galapagos Islands by 28, 77
Snow houses of the Greenland Eskimo, description of model of 207
Snowflake, ruins at examined 287
Snowy owl 194
Snyder, John Otterbein, title of joint paper by 162
Soft-shelled turtle 196
Somatological division 255
South America, distribution of specimens in 144
South American flycatcher 193
mammals 191
Spain, distribution of specimens in 145
Spanish mackerel 197
Special Bulletin U. S. National Museum, No. 4, Part I, published 38, 147
Bulletins U. S. National Museum, Nos. 1 and 3, work of completing taken up 75
Specimens in possession of Museum, total number of 16
loan of, in Department of Biology 77
of National Museum, U. S., distribution and exchange of 24
received in 1900–1901, and total number in the several divisions on June 30, 1901, number of 21
sent to each State and foreign country, list of number of lots of ... 24
statement of distribution of 137

Page.
Spectacled eider duck 193
Springer, Frank, geological gift of 20, 82
Staff, administrative 94
Museum 41, 93
scientific 93
Stanford University expedition to the Galapagos Islands 76
Stangl, P. L., insects presented by 70
Starks, Edwin Chapin, joint paper by 168
title of joint paper by 162
Statistics of accessions for the past and previous years 21
Steamer duck 193
Steele, E. S., title of paper by 168
Steere, Joseph Beal, arrival of, at mouth of the Purus 364
collecting outfit furnished to 24
trip made by, to Upper Purus River, Brazil ... 23, 60
collections made by, for Pan-American Exposition 68
commissioned by U. S. National Museum to make collections for Pan-American Exposition 363
ethnological material collected by 51
received from 18
expedition of, to Amazon River, Brazil 19, 67, 185, 186
fishes obtained by, from Amazon River 186, 187
on Narrative of a visit to Indian tribes of the Purus River, Brazil 359
wild tribes of upper Purus River visited by, in 1873 364
Steiner, Roland, collection purchased from 17, 53
investigations of, continued 23, 60
Stejneger, Leonhard, appointed to represent Museum at International Congress of Zoology 42, 80
investigations of, relating to the reptiles of Japan, Porto Rico, and Cuba 27, 75
large collections made by, in Porto Rico 186
papers in course of preparation by, relating to reptiles of Japan, Porto Rico, and Cuba 27, 75
on wheatears, published by 27, 75
preparation of labels for Pan-American Exposition by ... 189
report of, on reptiles collected in Venezuela 27, 75
return of, from Porto Rico 184
titles of papers by 169
visit of, to Porto Rico 184, 186
Steller's duck 193
Stephen, A. M., traditional material relating to settlements collected by 349
Stevenson, Mrs. M. C., information from, concerning Zuñi fire altar 320
stone specimen collected by 295
Stewart, Alban, employment of 90
excavations made by, at Afton 237, 239, 240
installation work of, at Buffalo 86
investigations of fossil animals by, at Afton 237
mammoth remains collected by 86
search of, for mastodon remains for Pan-American Exposition 23, 84, 218, 237
skeleton of female mastodon americanus secured by 84
Stillwell, L. W., implements purchased from 54

Page.

Stingray 198
Stokes, H. N., joint paper by 169
meteorite paper published jointly by 29, 87
title of joint paper by 164
Stone Axe people, affiliations by arts of the 326
ruin, actinolite axes 320
animal life 320
archeological field work at 320
artifacts 321
bone collected 322
bones of animals 326
building stone 320
burials 321
cemeteries 321
collection secured at 322
copper paint stone, obsidian, flint, shell, and arrow points .. 321
country, description 320
detached houses to the south 321
elevations 320
fossil wood and limestone 322
houses, formation 321
interesting features presented to student by 325
light red ware 323
limestone ax, fragment of 322
location 320
metates and hand stones 322
migration of people from 326
obsidian 322
pahos 322
paint stones 322
potsherds 321
pottery 322, 323, 324
clan marriage 324
cup-shaped depressions made in large vessels 323
fragments 321
indication given by 322
plates illustrating 323
polychrome vases 323
rains 321
shell collected 322
skeletons 321
skulls 326
small sites near, archeological fieldwork at 325
canteen 325
fragments of large coiled vessels 326
gray ware 325, 326
pottery and stone disks 326
red ware 325, 326
shell ornaments, spindle whorl, arrow smoother 326
size of ruins 326
somatological material 326
vase of gray ware 325

Page.
Stone Axe ruin, small village sites near 321
soil 321
springs 320
stone collected 322
hammers, metates, and hand stones 321
survey of ground 320
tanks near 321
textiles 322
thin bowls of gray paste 323
treeless 320
vases 324
vesicular lava 322
winds 321
Stone, H. A., sheep discovered by 190
Stone's sheep 190
Storage rooms of Museum overcrowded 12
Stratigraphic Paleontology, Division of, exhibit of, at Pan-American Exposition 222
specimens of Exposition labels used in 222
Striped bass 197
Strong, R. M., title of paper by 169
Study collections of Department of Biology, work on 72
Sturtz and Krantz, purchase from 82
Sucking fish 197
Summary of Museum exhibit at Pan-American Exposition 181
the operations of the year 13
work, archeological fieldwork in Arizona 358
Sweden, distribution of specimens in 145
Sweeny, T. W., competent service of, in arranging and mounting several series of artifacts 217
Switzerland, distribution of specimens in 145
Symbolism, archeological fieldwork in Arizona 355
Tanagers 195
Tapañá River, approach to mouth of 364
Tarpon 197
Tassin, Wirt, exhibit for Division of Mineralogy, prepared by 228
handbook on gem collection of Museum, completed by 29, 87
installation work of, at Buffalo 86
visit of, to Philadelphia 184
work of, on analysis of a damourite from California 29, 87
the dehydration of metallic hydrates 29, 87
Taxidermy, Pan-American Exposition 187
Tehuelche Indians, Patagonia, description of group of 206
Threadfish 198
Throwing sticks, exhibit illustrating 212
Tiger salamander 197
Timbýras Indians 363, 364
purchase from 363
Titus, E. S. G., insects lent to 31, 78
Tobacco pipes, exhibit illustrating 215
Tocard toucan 192
Toco 192
Toll, H. C., insects lent to 32, 79

Page.
Tompkins, A. D., investigations carried on in Department of Anthropology by. 31
Tower, W. L., investigations conducted by, in Division of Insects 30, 80
Townsend, C. H., ethnological material collected by 18, 51
Townsend, C. H. T., Mexican diptera received from 70
Townsend, T. D., explorations by 237
Trelease, William, plants lent to 32
Triceratops, model of, exhibited at Pan-American Exposition 181
Trogon 195
Tropical Atlantic fishes 198
True, F. W., appointed representative of Smithsonian Institution and National Museum on Government Board for Pan-American Exposition. 40, 80
executive curator 93
head curator of Department of Biology 63, 93
report of 63
on Report on the Exhibit of the United States National Museum at the Pan-American Exposition, Buffalo, New York, 1901—summary 181
report by, on the exhibit of the Department of Biology at the Pan-American Exposition 185
True, R. H., botanical collections used by 31, 80
Tuchband, Adolph, expedition to the Upper Amazon River made by 185
obtaining of ethnological objects undertaken by 185
Tufted puffin 194
Tun das tusa 289
ruin, location of 290
Tupian family 363
Turtles 196
Tusayan ware, periods of 346
first 346
second 346
third 347
Types of buildings, archeological field work in Arizona 352
Tzoneca 206
Uintacrinus socialis, gift of 20
Umbrella bird 195
Underwood, L. M., plants lent to 32
United States Army, surveys carried on by Engineer Corps of the 8
Department of Agriculture, plants received through 71
diplomatic and consular service abroad 8
distribution of specimens in 137
exploring expedition 8
Fish Commission, boat models lent to 61
collections of marine invertebrates transferred to Museum by 70
explorations of 8
fish collections consulted by ichthyologists of. 79
plants received through 71
steamer Albatross, reptiles obtained for Museum by naturalist of 69
types of new species of fish deposited by 69
Commissioner, courtesy of 23
Geological Survey, explorations of 8

Page.

United States Geological Survey, funds obtained for a model of a skeleton of triceratops prorsus, through joint arrangement with 218
geological specimens received from..... 81, 82, 83
transmitted through .. 81
loan to..... 88
topographic data available from records of.. 85
Life-Saving Service, loan to..... 61
National Museum, report on, by assistant secretary of Smithsonian Institution..... 3
University of Idaho, gift to 89
Kansas, fossil plants received in exchange from..... 83
Uruguay, distribution of specimens in 144
Vaughan, T. Wayland, corals from Albatross South Sea expedition, to be reported on, by..... 71
Porto Rican corals determined by..... 71
titles of papers by..... 169
work by, on the recent corals..... 29
on West Indian corals continued by 80
Venezuela tribes, South America, pile dwellings of the..... 207
Verrill, A. E., title of paper by..... 170
Vertebrate fossils, exhibition of 35
Section of, exhibit of, at Pan-American Exposition..... 228
Vicuña 191
Virginia deer..... 191
Viscacha 191
Visit to Indian tribes of the Purus River, Brazil, narrative of a, by Joseph Beal Steere 359
Visitors to Museum building during fiscal year 1900–1901, table of..... 36
since 1881, table of..... 36
Smithsonian building during fiscal year 1900–1901, table of..... 36
since 1881, table of..... 36
Vroman, A. C., views taken by..... 287, 288
Walcott, Charles D., collections of cambrian fossils made by 20, 82
examinations of cambrian fossiliferous deposits conducted by 24
material figured and described by 20, 82
titles of papers by..... 170
Walker, J. R., gift of..... 83
Wanner, A., fossil plants received in exchange from..... 83
title of joint paper by 170
Wapiti 191
War Department, amount transferred to exposition allotment of..... 181
courtesy of, in transporting collectors..... 184
parapets constructed by 182
Ward, H. A., meteorite specimens sent to 88
Ward, Lester F., joint paper by 159, 162
title of joint paper by 170
Wardle, H. Newell, spindle whorls lent to..... 31, 61
Washington, H. S., eruptive rocks sent to..... 88
Water craft, exhibit illustrating 213
moccasin..... 196
Wattron collection, purchase of 307

Page.

Weinheimer, Mrs. F., preparator in Division of Plants, resignation of 42, 80
Welsbach Company, gift of 81
Wesleyan Female Seminary at Macon, gift to 89
West Indies, distribution of specimens in 143
Wetzler, Julius, pipe specimen presented by 317
Whip-poor-will 194
White, David, title of paper by 170
White fish 199
goat 191
Mountain region, archeological field work in 289
environment of 288
tipped peccary 191
ware 323
Whooping crane 193
Wichita Indians, Indian Territory, grass houses of the 207
Wild turkey 192
Wileman, A. E., cocoons and moths presented by 70
Wilkes exploring expedition, rock specimens collected by members of 219
Willey, Henry, lichen collection of 71
purchase of lichen specimens from estate of 20
lichen herbarium, purchase of 71
Williamson, E. B., insects lent to 32, 79
title of paper by 171
Wilson, Charles B., parasitic copepod crustaceans sent to 78
work by, on the parasitic copepod crustaceans 29
Wilson, Thomas, curator of Division of Prehistoric Archeology 58
report by 57
extensive examination of prehistoric tools and implements made by 27
interest of, in determining the truth of the allegation that prehistoric man was ambidextrous 59
investigations into prehistoric trepanation continued by 59
paper by, on prehistoric trepanation 59
on jade prepared by 59
presented by, at Congress of Americanists 42, 59
read by, before American Association for Advancement of Science 59
papers presented by, before Congress of Anthropology and Prehistoric Archeology 42, 58
published or presented by, during year 27
presiding officer during one day at the Congress of Ethnology 59
series of international congresses held in Paris attended by 58
summary of reports of proceedings of International Congresses of Anthropology and Prehistoric Archeology and of the Congress of Americanists, prepared by 59
titles of papers by 171
translation of paper into French by 59
visit of to Paris, as representative of Museum 42
Wilson, W. J., collection of fossil plants 83
Wohlgemuth, Carl, articles from 26
Wolf fishes 198
Wood duck 193
Wood, T. D., fishes collected by 19, 69

Page.
Wooden dwellings of the Haida, representing the Northwest coast tribes, description of model of 208
Woodpeckers 194, 195
Woodruff Butte, archeological field work at 318
building stones 319
circular platforms 318
grading and terracing 319
habitations 319
hammers of fossil wood 319
pottery fragments 319
ruins 318
classed 319
small birds carved from dark-blue steatite found on 319
view from 319
visitors to 319
walls 319
Woolson, Miss, investigations carried on in Department of Anthropology by .. 31
World's Columbian Exposition at Chicago, donations and purchases from 8
Fair in Philadelphia, returns from 8
Woven fabrics, exhibit illustrating 214
Xavier, Senhor Paulo 367
Yellow boa of Jamaica 196
ware, region of 354
Young, Bennett H., stuffed skin of tarpon presented by 197
Young, R. T., collecting outfit furnished to 24
Zapotec Indian woman, Oaxaca, Mexico, description of figure of 206
Zoological material, principal loans of 31
Museum, Turin, Italy, bats from 25
University of Upsala, Sweden, birds' skins from 25
Zoologisches Institute, specimens from 25
Zuñi Indians, the arid region, description of group of 205
New Mexico, sacred spring near 249
relation to ancient culture 354, 355

O

Page.
es, de-
..... 208
.... 194, 195
..... 318
..... 319
..... 318
..... 319
..... 319
..... 319
..... 319
..... 318
..... 319
..... 319
..... 319
..... 319
..... 319
y by.. 31
m.... 8
..... 8
..... 214
..... 367
..... 196
..... 354
..... 197
..... 24
..... 206
..... 31
..... 25
..... 25
..... 25
..... 205
..... 249
.... 354, 355